Steelgate

User Manual

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This name entered here is used to identify the device. This name will appear when devices are listed to reference this device throughout the application. 111

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Installation

Installing the Software

Installing from downloaded file:

Run the .EXE program you downloaded from Steelgate.

Getting to Know the User Interface

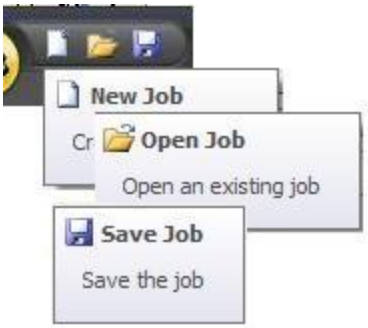
The User Interface

The user interface consists of a single main screen. At the top of this screen you'll find the "Launch Button", "Quick Access Toolbar" and a set of seven tabs.

Launch Button

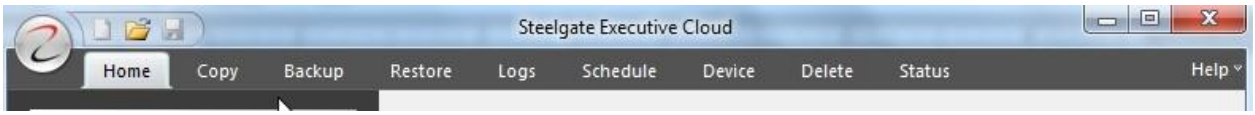
The Launch Button is in the top-left corner of Steelgate. It provides fast access to files and frequently used commands. From here, you can quickly create a new job, open, run and save an existing job, or import previous backup jobs.

Quick Access Toolbar



From here, simply click on the appropriate icon to create a new job, open an existing job or save the current job.

Tabs



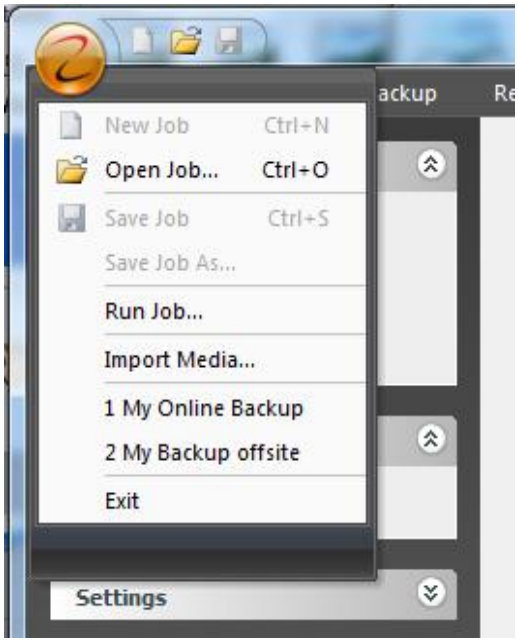
The Home tab contains convenient information about your previous and next scheduled backup as well as useful shortcuts and the "Quick Select" feature. The Backup tab allows you to select files and folders to backup. Similarly, the Copy tab allows you to select files and folders to be copied to another destination. The Restore tab enables you to make selections in order to restore files and folders. The Schedule tab provides a means to schedule backup jobs to run at a future time/date. The Logs tab provides access to logs for previously run jobs. The Device tab provides a means to configure and view backup devices. The Status tab gives you a method to view the progress of the currently running job.

The file lists in the Backup, Copy and Restore tabs look very similar to the Windows Explorer, which makes it familiar and easy to use. Selected files can be browsed by expanding the drives or network resources in the tree view display on the left-hand side. Next to each folder and file is a check box. These are used for adding and removing files from the selection list.

Note: The name of the currently selected job is listed at the top of the Steelgate program window.

Launch Button

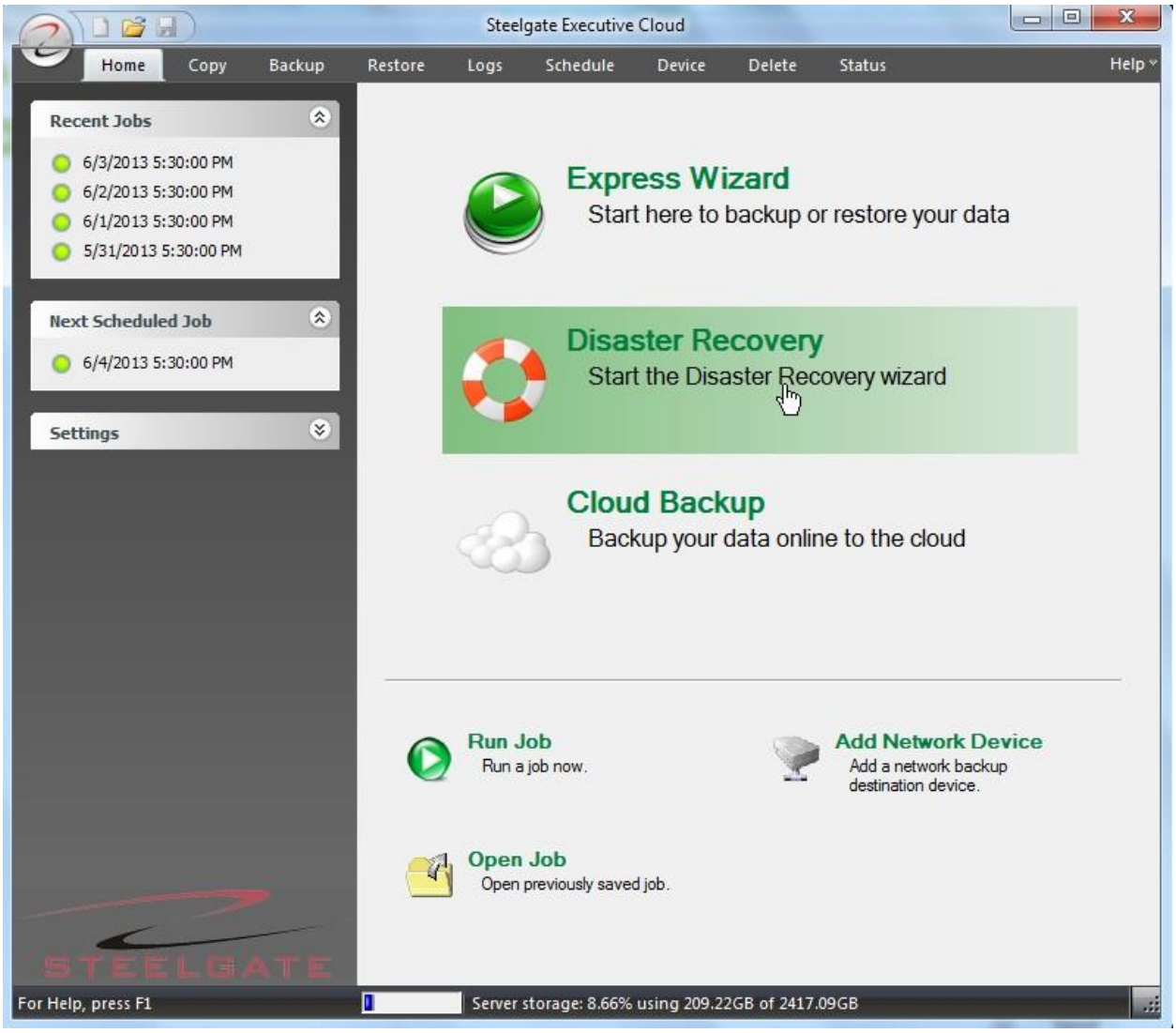
The Launch Button is in the top-left corner of Steelgate. It provides fast access to files and frequently used commands. From there, you can quickly create a new job, open, run and save an existing job, or import previous backup sets.



Item Detail

New Job	This will allow you to create a new job based on the tab selected.
Open Job	This will allow you to open a previously saved job.
Save Job	This will allow you to save the current job.
Save Job As	This will allow you to save the current job using a different name.
Run Job	This will allow you to run a previously saved job
Import Media	This will allow you to import backup jobs that do not appear in the Restore View. These backup jobs are usually created with previous installations of or from other computers running Steelgate.
Recent Files List	From this list, you can select a recently used job.
Exit	This exits the application.

Tab Functionality



The Express Wizard

The Express Wizard provides a step by step method to perform many common tasks available in the application. Topics will be added soon which outline the features and steps available in the Express Wizard.

Disaster Recovery

The Disaster Recovery selection opens the screen where either the Disaster Recovery scheduler application wizard may be launched.

Cloud Backup

Click Cloud Backup to setup a cloud backup device through our network of selected partners.

Utilities:

Run Job - Clicking this link allows you quickly select a specific Backup, Copy or Restore task to run. After making your selection, click "Run" and the specific task will be performed immediately.

Open Job - Select this link to open a previously save Backup, Copy or Restore job permitting the job to be updated, saved or run.

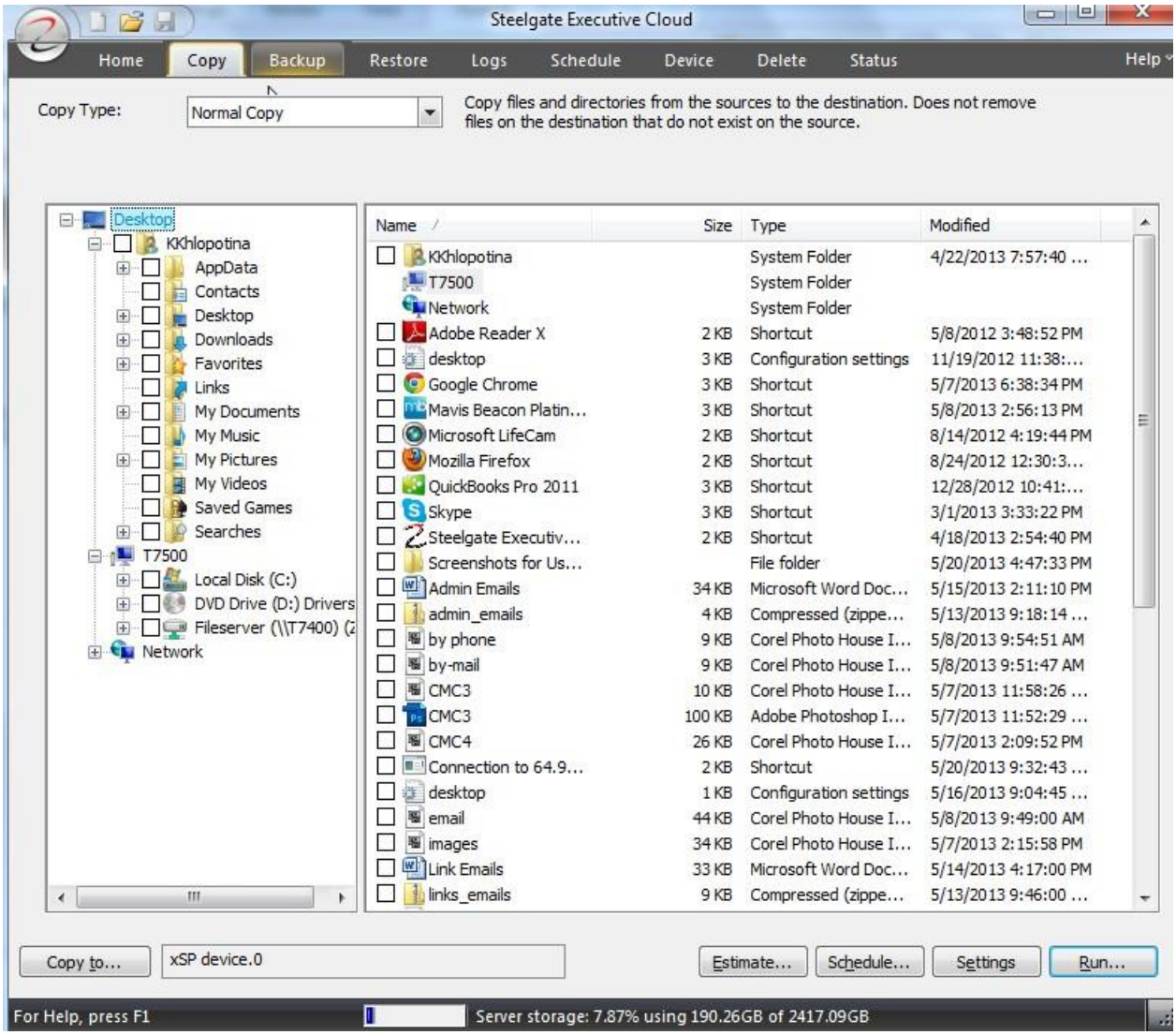
Import Media - This link launches the Import Media function allowing you to add details for media not already saved to the current Steelgate database. For example, media from another system or installation of Steelgate.

Add Network Device Click this link to create a new network storage device. Once the device is created you can manage the device as well as all other deices by clicking the device tab.

Copy Tab

From here, you can create a job that will copy the files/folders you specify from one location to another. The different options available allow you to adjust the copy job to your specific needs.

What are copy jobs? *Copy jobs are combinations of directories and files that are selected as well as any of the options (including filters) that go along with that specific copy job. Copy jobs differ from backup jobs in that they result in the exact same set of files being "copied" or transferred to the destination device including: Hard Disk, Network Drive, CD or DVD, and online storage. Note: Copy jobs DO NOT permit the use of tape.*


Steelgate Executive Cloud
Home
Copy
Backup
Restore
Logs
Schedule
Device
Delete
Status
Help
Copy Type:
Normal Copy
Copy files and directories from the sources to the destination. Does not remove files on the destination that do not exist on the source.
Desktop
KKhlopotina
AppData
Contacts
Desktop
Downloads
Favorites
Links
My Documents
My Music
My Pictures
My Videos
Saved Games
Searches
T7500
Local Disk (C:)
DVD Drive (D:) Drivers
Fileserver (\\T7400) (
Network
Name
Size
Type
Modified
KKhlopotina System Folder 4/22/2013 7:57:40 ...
T7500 System Folder
Network System Folder
Adobe Reader X 2 KB Shortcut 5/8/2012 3:48:52 PM
desktop 3 KB Configuration settings 11/19/2012 11:38:...
Google Chrome 3 KB Shortcut 5/7/2013 6:38:34 PM
Mavis Beacon Platin... 3 KB Shortcut 5/8/2013 2:56:13 PM
Microsoft LifeCam 2 KB Shortcut 8/14/2012 4:19:44 PM
Mozilla Firefox 2 KB Shortcut 8/24/2012 12:30:3...
QuickBooks Pro 2011 3 KB Shortcut 12/28/2012 10:41:...
Skype 3 KB Shortcut 3/1/2013 3:33:22 PM
Steelgate Executiv... 2 KB Shortcut 4/18/2013 2:54:40 PM
Screenshots for Us... File folder 5/20/2013 4:47:33 PM
Admin Emails 34 KB Microsoft Word Doc... 5/15/2013 2:11:10 PM
admin_emails 4 KB Compressed (zippe... 5/13/2013 9:18:14 ...
by phone 9 KB Corel Photo House I... 5/8/2013 9:54:51 AM
by-mail 9 KB Corel Photo House I... 5/8/2013 9:51:47 AM
CMC3 10 KB Corel Photo House I... 5/7/2013 11:58:26 ...
CMC3 100 KB Adobe Photoshop I... 5/7/2013 11:52:29 ...
CMC4 26 KB Corel Photo House I... 5/7/2013 2:09:52 PM
Connection to 64.9... 2 KB Shortcut 5/20/2013 9:32:43 ...
desktop 1 KB Configuration settings 5/16/2013 9:04:45 ...
email 44 KB Corel Photo House I... 5/8/2013 9:49:00 AM
images 34 KB Corel Photo House I... 5/7/2013 2:15:58 PM
Link Emails 33 KB Microsoft Word Doc... 5/14/2013 4:17:00 PM
links_emails 9 KB Compressed (zippe... 5/13/2013 9:46:00 ...
Copy to...
xSP device.0
Estimate...
Schedule...
Settings
Run...
For Help, press F1
Server storage: 7.87% using 190.26GB of 2417.09GB

Button Functions

"Copy Type" Button

Select the copy type you with to perform:

> ***"Copy"***
> Copy files and directories from the source(s) on the left to the destination or the right. Does not remove files on the destination that DO NOT exist on the source
>
> ***"Mirror"***
> Mirror files and directories from the source(s) on the left to the destination or the right. REMOVES files on the destination that DO NOT exist on the source
>
> ***"Bidirectional Copy"***
> Copy files and directories between the left and the right paths. Results in an identical set of files and folders on both sides: Files on one side, but not the other are copied
>
> **Note:** *Files that have been deleted from one path will NOT be deleted from the other*

"Copy To" Button

Click this button to display a dialog showing all available devices. From here, select the destination device and/or path you want to use for this job

"Make Folder" Button

By highlighting an existing path and clicking this button, you are able to create a new, empty folder

"Estimate" Button

This will allow you to find out the estimated number of files and size of the current copy job. Once selected a "Estimate" box will appear with the following information:

> ***Files***
> This indicates the Count (number of files) and Size (In Gigabytes) that you have selected for the job. This is especially helpful if the size of a copy is an issue when attempt to copy files to external devices with limited space such as CD/DVD's or USB Devices.
>
> ***Folders***
> This indicates the number of folders that you have selected for the job.

"Schedule" button

This button is used for the schedule options. Within this window, you will be able to schedule the job as well as name it. You have various scheduling options including; one time, minute, hourly, daily, weekly, or monthly. You may also set the time and date of when the job will run.

"Settings" button

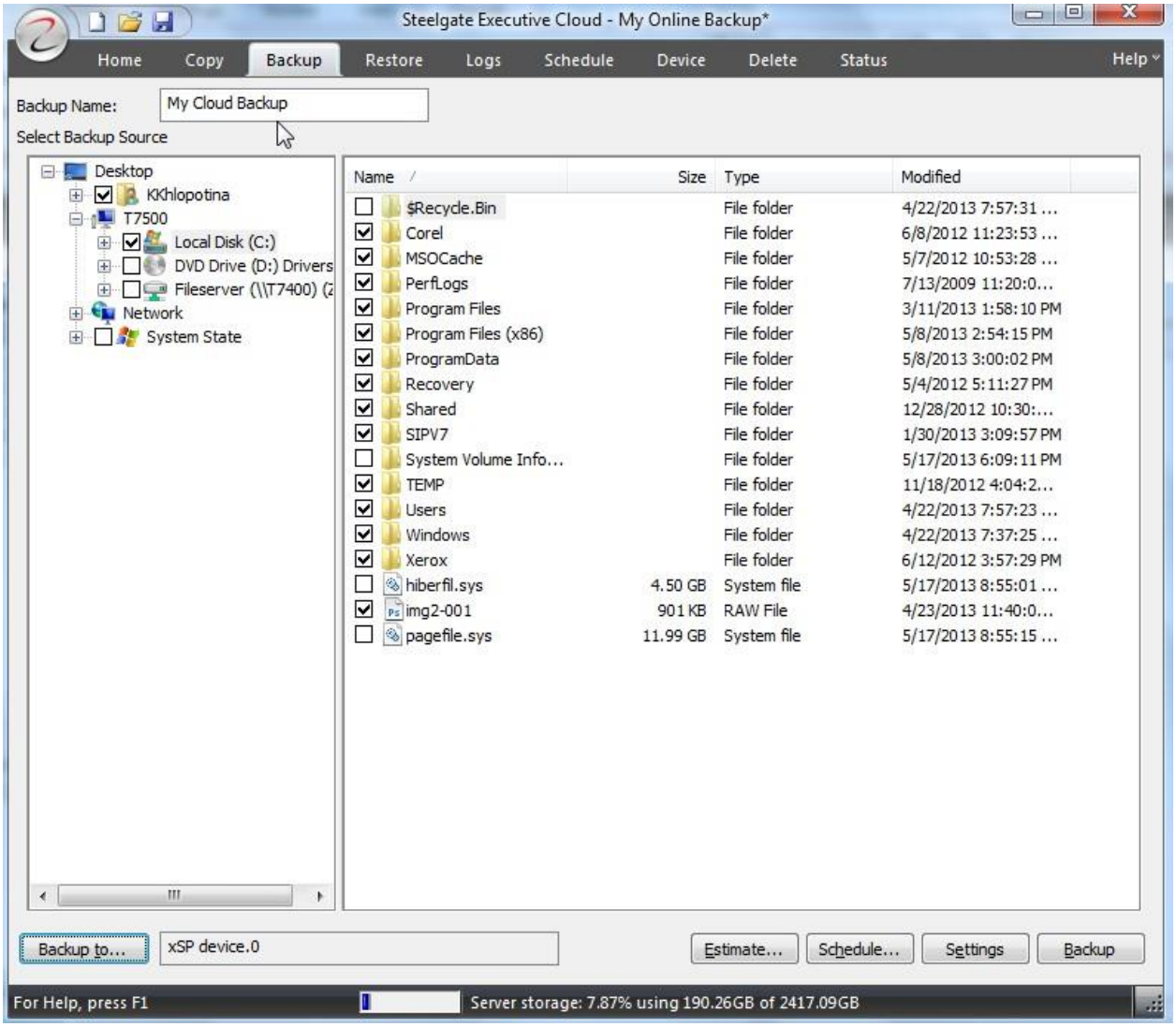
This will take you to the Advanced options for this specific copy job. Refer to the Copy Job Settings Topic for further information

"Copy" button: This button starts the selected copy job immediately.

Backup Tab

Using this tab, you can create a backup set that will include the files that you specify. The different options available allow you to adjust the backup job to your needs.

You may select items from the "Select Backup Source" pane. Folders and volumes will be on the left and files on the right. You may select a descriptive name for the backup job by enter it in the "Backup Name" field at the top. This will allow you to clearly identify each job on a specific media.



Backup Job Name

In this text box, you can input an optional name for the current backup job you are creating. Be sure not to confuse this with the filename of the backup job. The backup job name is essentially a descriptive name that you have assigned to the actual backup job file. A default job name will be assigned to each

new backup indicating the date and time within the name. This name structure is just one way to help organize your backup jobs.

What are backup jobs? *Backup jobs are combinations of directories and files that are selected for backup as well as any of the options (including filters) that go along with that specific backup. Backup jobs are used to allow one or more collections of files to be backed up at different times. For example, one backup job could be created for accounting data, and another backup job could be created for important data that changes daily. The important data might be backed up daily or even hourly, while the accounting data could be backed up at the end of the week.*

Remember that setting a backup job name is optional and is meant to aid in managing backup jobs. For instance, under the Logs Tab, which will be discussed later, a listing of previous backup activity can be seen. Each of these logs is indicated by a Backup Job Name and a date. If you do not specify a Backup Job Name for any of your backup jobs, it will be a daunting task to differentiate the several backups solely by the dates and times of each of the backups. Thus, it is highly recommended that you assign a name to each of your backup jobs in order to ease your ability to distinguish the different backups.

Button Functions

"Estimate" Button

This will allow you to find out the estimated number of files and size of the current backup job. Once selected a "Estimate" box will appear with the following information:

Files

This indicates the Count (number of files) and Size (In Gigabytes) that you have selected for the job. This is especially helpful if the size of a backup job is an issue when attempting to backup files to external devices with limited space such as CD/DVD's or USB Devices.

Folders

This indicates the number of folders that you have selected for the job.

"Schedule" button

This button is used for the schedule options. Within this window, you will be able to schedule the job as well as name it. You have various scheduling options including; one time, minute, hourly, daily, weekly, or monthly. You may also set the time and date of when the job will run.

"Settings" button

This will take you to the Advanced options for this specific backup job. Refer to the Backup Job Settings Topic for further information.

"Backup To.. " button

Click this button to display a dialog showing all available devices. From here, select the backup destination device and/or path you want to save the backup to

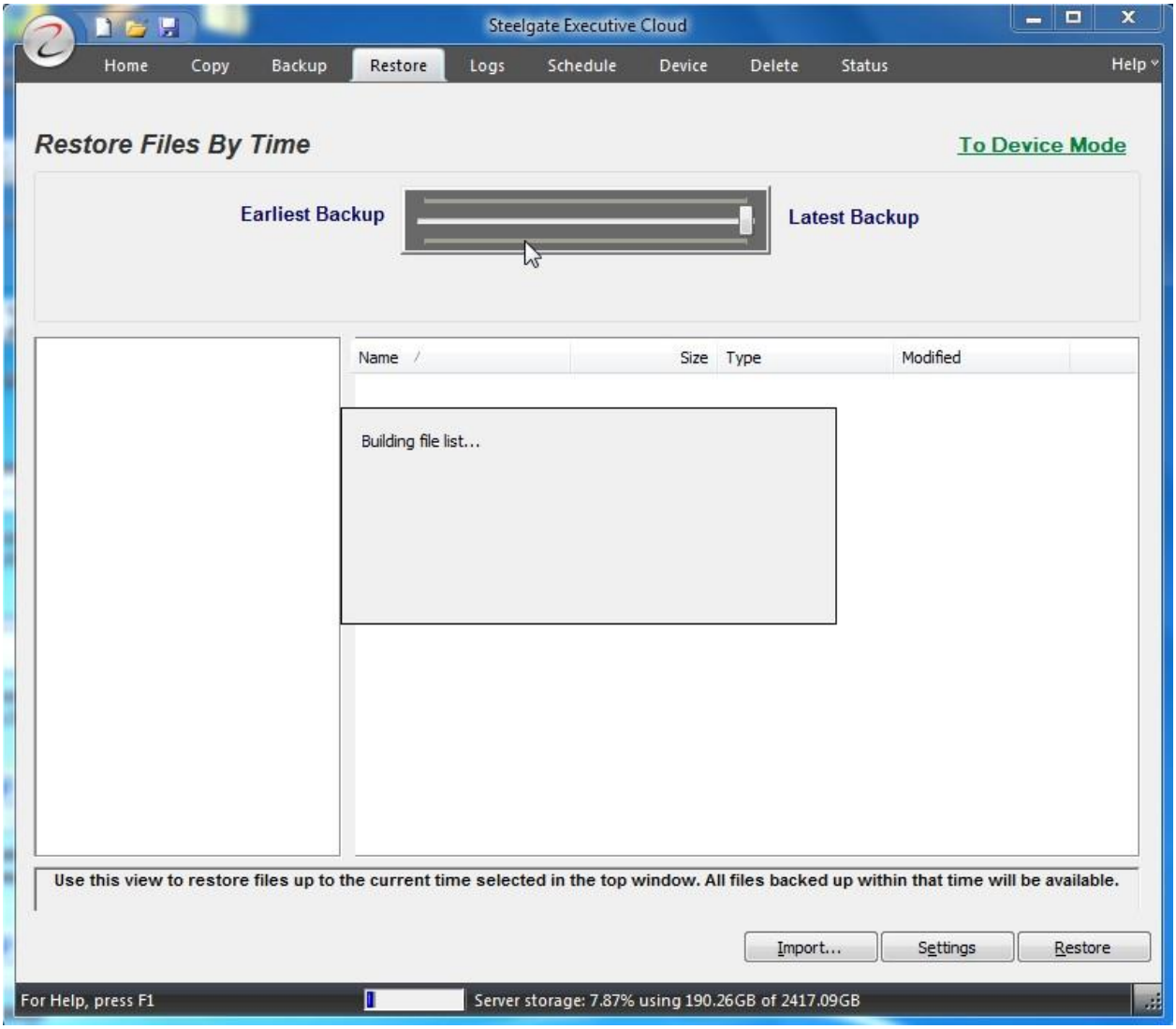
"Backup" button This button starts the selected backup job immediately.

Restore Tab

Under the Restore tab you will find all the folders/files from previous backups that you can restore either to the original or alternate location.

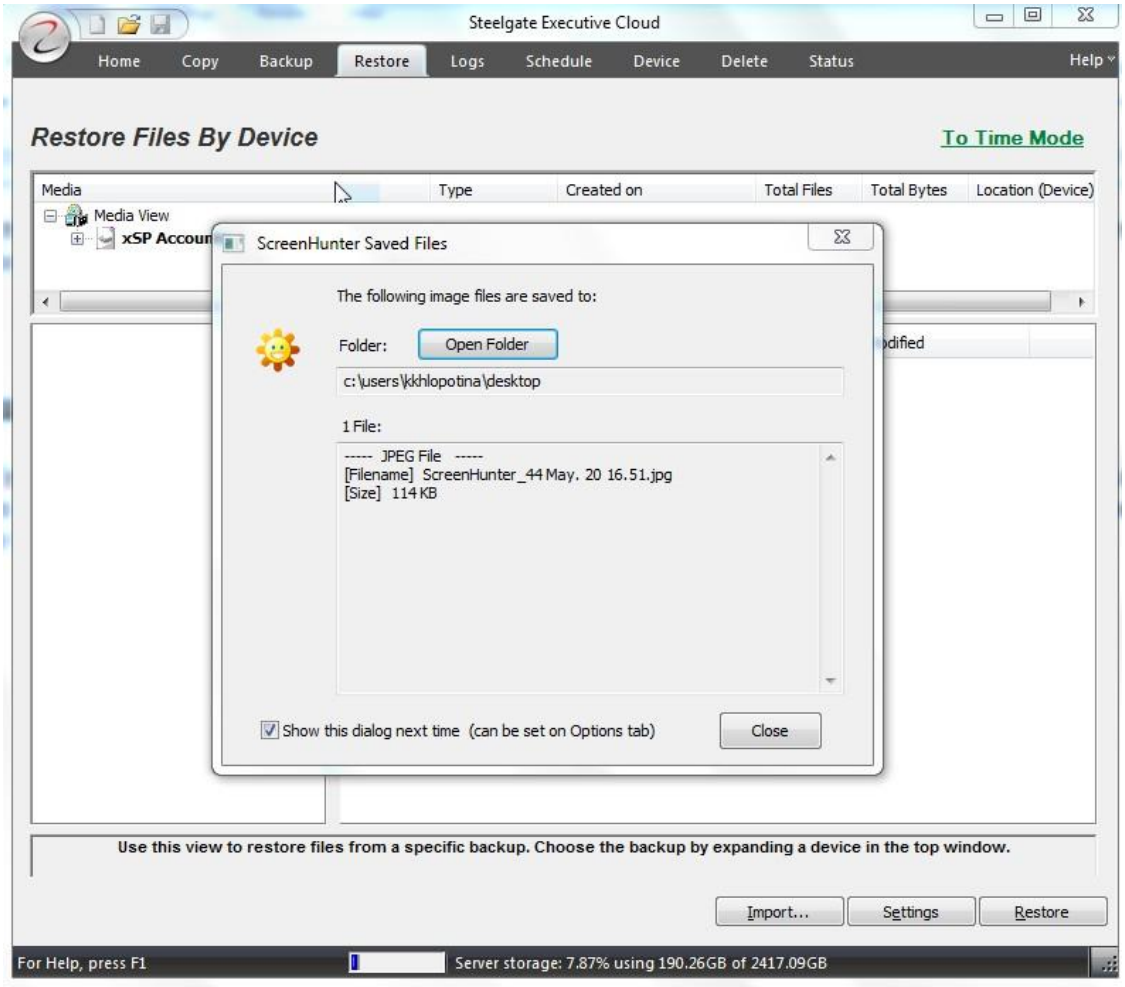
Restore Files By Time

This 'TimeSlider' view uses a patent pending technology to provide a single restorable fileset without the need to select the backup source device. Using the slider, files are listed based on the range of time the backup has run.



Restore Files By Device

This view displays a restorable file set contained in a specific backup. Use the device view in the upper window to select the location of the backup and the backup session containing the files available to restore.



Why don't I see any media listed?

If you are unable to see anything populated in the media view, you might need to perform an import on the media which is explained below in the import section.

Select Backup Job

From the Media View in the top window, you will see a list of available backups that you can restore from. Simply select the backup you would like to restore by double-clicking the entry and a listing of the folder/files included in that backup will appear in the windows below.

The Media View - Restore Mode

This window allows you to view all available backups to restore from, based on the database of backup jobs and folder/file selections cataloged within the database. All backups are categorized by destination type (Disk, Removable Disk, CD/DVD, Internet, and Tape) and further categorized by backup job name. This view is similar to the Media View as seen in the Backup mode. However, only destinations with backups available for restoration will be listed.

Select Restore Item(s)
These selection windows are similar to the ones seen on the Backup Tab. Here, a listing of files and folders will be displayed once a backup job has been selected for restoration. The only files and directories that will be listed are the ones that were included in the backup job that you are restoring. In the selection windows, you can select files and/or folders just as you did in the Backup Tab when you selected the files for backup.

By default, if you are restoring files to their original location, files that already exist in that location will not be overwritten by the files that are to be restored. Check your Restore Setting to alter this.

Button Functions

"Import" Button

This button will allow you to import backup jobs that are not in the current Steelgate database. Simply click on the button and browse to the backup job that you desire to import. Once imported into database, the backup job will then be listed in the media view, and available for restoration.

"Settings" Button

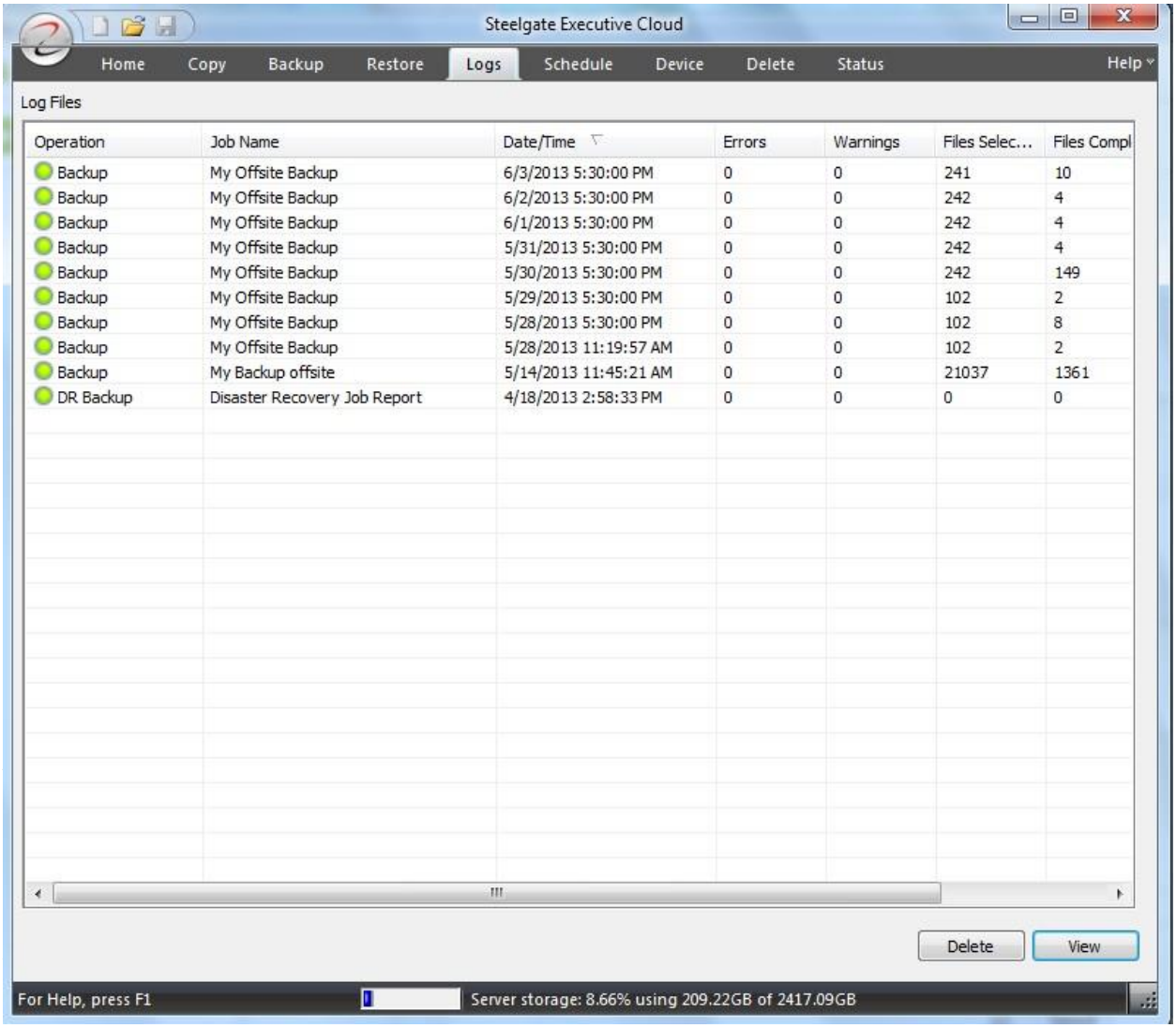
This button will allow you to access some options that you have in the restore process. These options are discussed in Restore Job Settings Topic.

"Restore" Button

Once you have selected the files, folders, or drives that you want to restore, you may press this button to start the restore immediately.

If you are restoring from a complete set of spanned media, you should always select the first piece of media as your first restoration media. Steelgate will prompt you to insert each subsequent piece of media if necessary. You must have all media available to do the restore. If your backup consists of 5 pieces of media and media #3 is corrupt/missing/damaged, you will only be able to restore data from the first two pieces of media.

Logs Tab

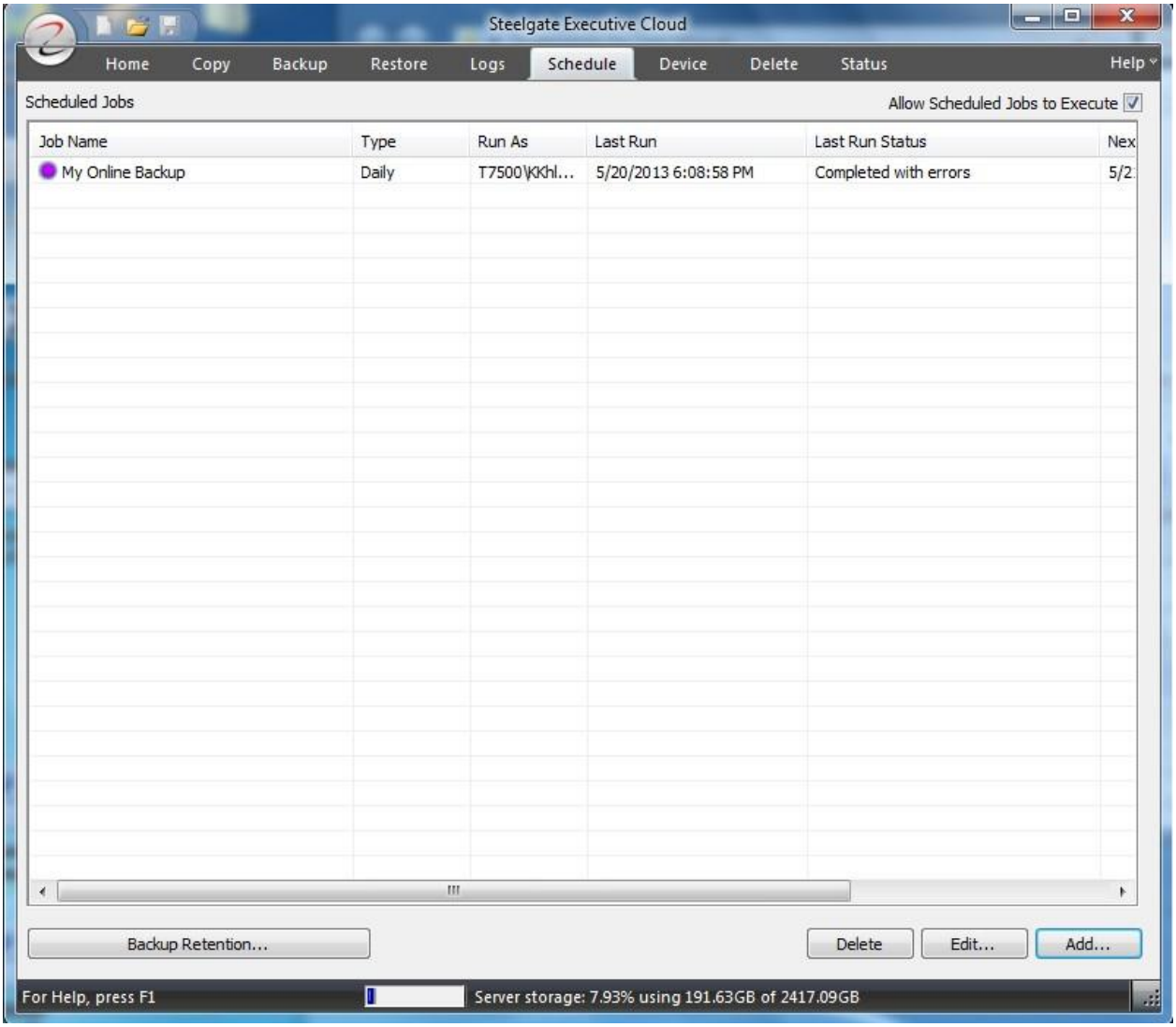

Steelgate Executive Cloud
Home
Copy
Backup
Restore
Logs
Schedule
Device
Delete
Status
Help
Log Files
Operation
Job Name
Date/Time
Errors
Warnings
Files Selec...
Files Compl
Backup My Offsite Backup 6/3/2013 5:30:00 PM 0 0 241 10
Backup My Offsite Backup 6/2/2013 5:30:00 PM 0 0 242 4
Backup My Offsite Backup 6/1/2013 5:30:00 PM 0 0 242 4
Backup My Offsite Backup 5/31/2013 5:30:00 PM 0 0 242 4
Backup My Offsite Backup 5/30/2013 5:30:00 PM 0 0 242 149
Backup My Offsite Backup 5/29/2013 5:30:00 PM 0 0 102 2
Backup My Offsite Backup 5/28/2013 5:30:00 PM 0 0 102 8
Backup My Offsite Backup 5/28/2013 11:19:57 AM 0 0 102 2
Backup My Backup offsite 5/14/2013 11:45:21 AM 0 0 21037 1361
DR Backup Disaster Recovery Job Report 4/18/2013 2:58:33 PM 0 0 0 0
Delete
View
For Help, press F1
Server storage: 8.66% using 209.22GB of 2417.09GB

View Button

To view the log file, select the log you would like to open and press the View button. Alternatively, you may also simply double-click the log file you want to view. For further details, see the Using Logs section.

Schedule Tab

From this tab you are able to view, modify, add, run, and delete scheduled tasks.



Remember: *You can quickly disable all schedules from running by unchecking the option - "Allow scheduled jobs to execute"*

The initial view contains an overview of all scheduled jobs including the following columns:

Job Name: Job or Script Name

Type: The "Type" of schedule set - includes (One Time, Minute, Hourly, Daily, Weekly, Monthly)

Run As: Account used to run the job,

Last Run: When the job last ran

Last Run Status: The status the last time the job ran - includes:

Completed - The scheduled job completed with no information (log)

Completed with info - The scheduled job completed successfully and a log was generated

Completed with warnings - The scheduled job completed but had warnings

Completed with errors - The scheduled job completed but had errors

Failed - The scheduled job failed to run

Next Run: When the job is scheduled to run again

Current Status:

Waiting - Schedule is waiting to run

Running - Schedule is running

Held - Schedule has been placed on hold

Error - Schedule will not run again until the error is corrected (Invalid Credentials, no media, no device available)

Right-Click Functions

Right-clicking on any of the listed schedules displays a menu with the following functions:

New - Create a new schedule
Hold/Resume Schedule - Permits the selected schedule to be placed on hold or resumed if already held
Modify Schedule - Displays the schedule details so they can be viewed/modified
Modify Job - Displays the specific job details so they can be viewed/modified
Run Now . . - Runs the job associated with the selected schedule immediately
View Log - Displays the log details of the scheduled job the last time it was run
Delete - Deletes the selected schedule item from the list

Button Functions

Delete Button

This button will allow you to delete the selected schedule item from the list, regardless of its status.

Edit Button

This button will allow you to edit the selected schedule item.

Add Button

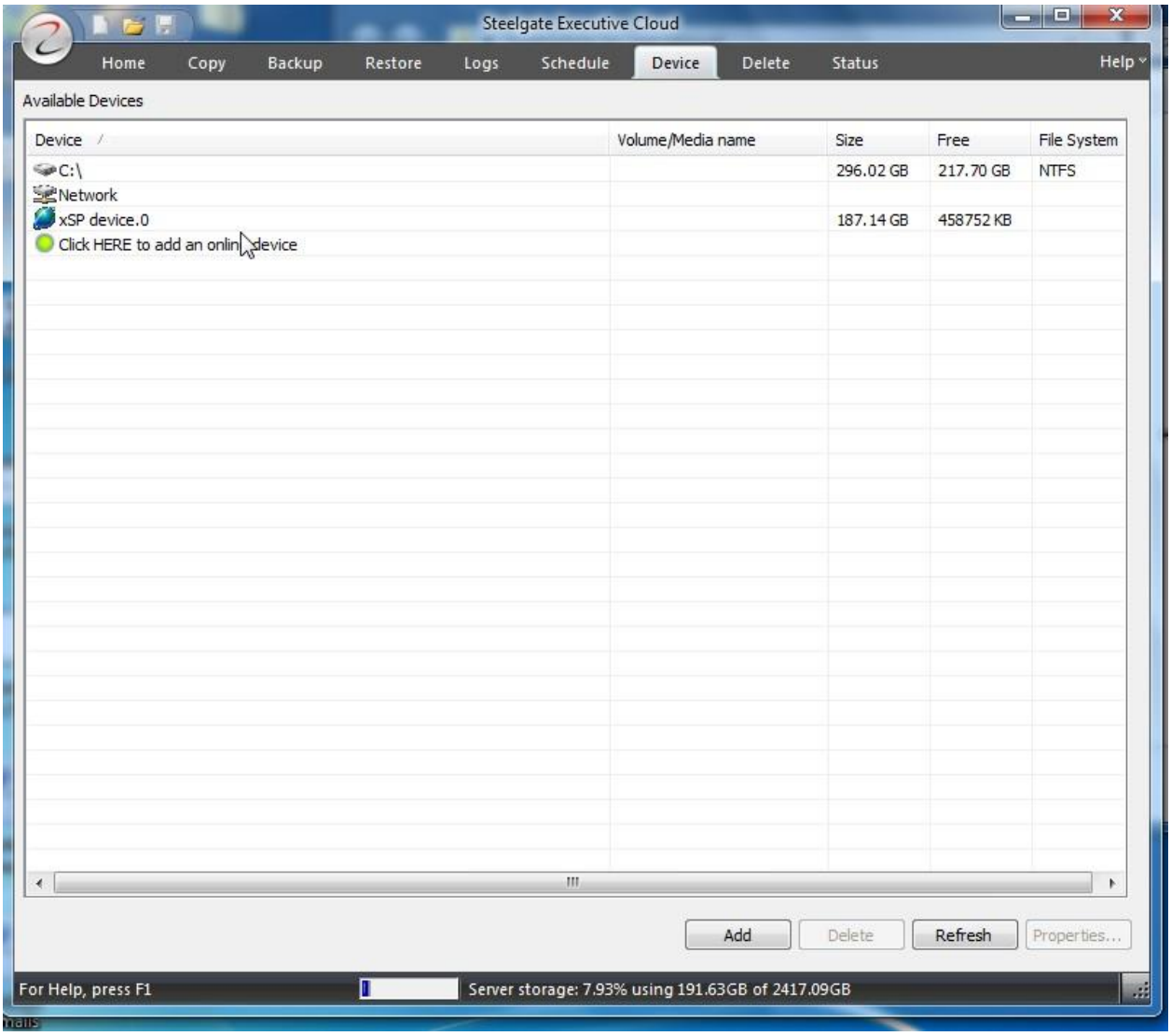
This button will allow you to create new scheduled tasks.

Backup Retention Button

Click this button to display the screen which is used to define a backup retention job.

Device Tab

The Device Tab shows a list of all available storage devices jobs can be configured to utilize. In from this tab, you're able to add, modify and delete devices



The initial view contains an overview of all scheduled jobs including the following columns:

Device - The name of the device

Volume (Media) - The name of the volume (Disk, Removable Disk) or media name (CD/DVD, Tape)

Size - Total size of the device or media

Free - Total available size of the device or media

File System - Type of file system (NTFS, UDF, FAT32, FAT, etc)

Right-Click Functions

Right-clicking on any of the listed devices displays a menu with functions appropriate to the device:

Hard Drive, Removable Hard Drives, Networked Drives, CD/DVD & Tape:

Import - Allows you to import backup jobs that are not in the current Steelgate database

CD/DVD & Tape Devices

Eject Media - Eject the currently inserted media
Quick Erase Media - Performs a quick erase (header information is erased, but data remains)
Full Erase Media - All data is erased from media

Internet and Network storage devices

Delete Device - Deletes the currently selected Internet device
Properties - List the properties associated with the selected device

Button Functions

"Add" Button (Only applies to Internet and Network Devices)

Launches the Internet and Network Device dialog.

"Delete" Button (Only applies to Internet and Network devices)

Deletes the currently highlighted Internet device from the list.

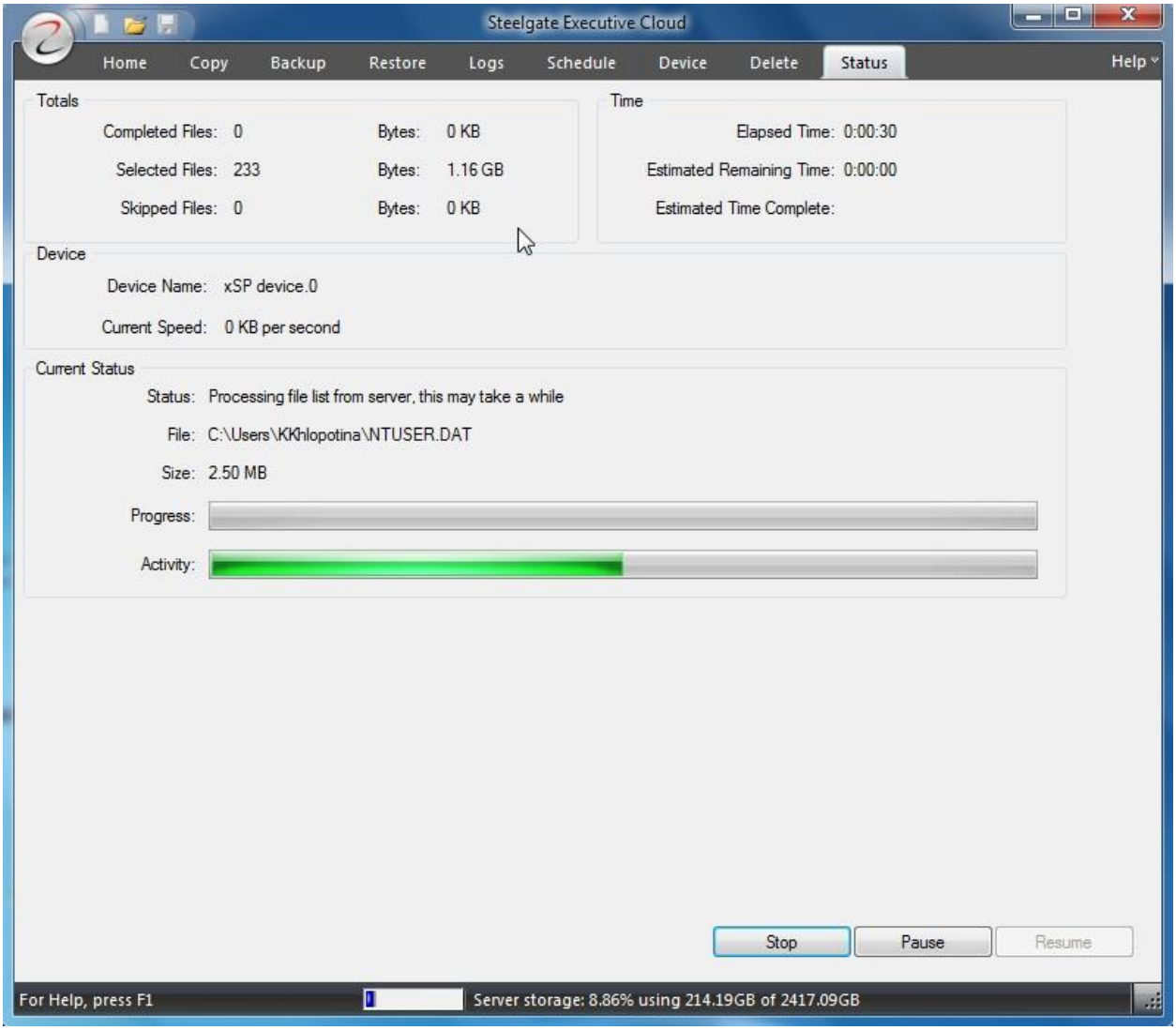
"Refresh" Button

Refreshes the device view to include newly added or connected devices.

"Properties" Button (Only applies to Internet and Network devices)

Displays the properties of the highlighted Internet and Network devices. You can also display the device properties by double-clicking on the device in the list.

Status Tab



The status view includes the following sections and items:

Totals

Completed Files/Bytes - The number of files and bytes successfully completed
Selected Files/Bytes - The total number of files and bytes selected by the job
Skipped Files/Bytes - The number of files and bytes that were skipped while running the job

Time

Elapsed Time: Hours:Minutes:Seconds representing the total amount of time the current job has been running
Estimated Remaining Time: Hours:Minutes:Seconds representing the estimated time

remaining for the current job to complete (This figure is an estimate only - actual time may vary)
Estimated Time Completed: Date/Time representing the estimated completion time of the current job (This figure is an estimate only - actual time my vary)

Device

Device Name: The name of the device/media used for the currently running job
Current Speed: The speed (thruput) of the data being transferred for the currently running job

Current Status

Status: Status of the currently running or completed job
File: The file currently being transferred
Size: The size of the file currently being transferred
Progress: The progress bar representing the percentage completed of the currently running job (This is an approximate indication of job completion. Actual percentage may vary).

Button Functions

"Stop" Button - Stops the currently running job

"Pause" Button - Pauses the currently running job - Job remains active

"Resume" Button - Resumes the previously paused job

The Express Wizard

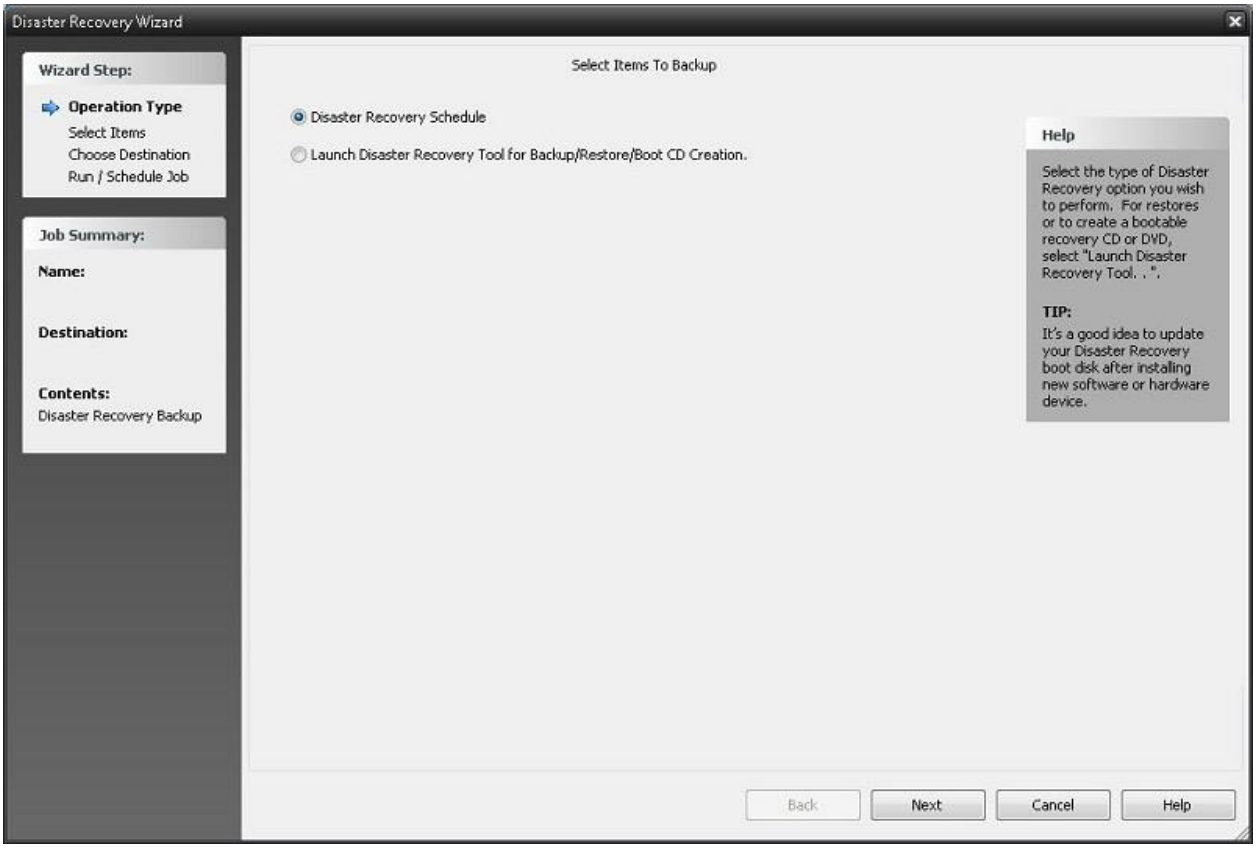
The Express Wizard

The Express Wizard provides a step by step method to perform many common tasks available in the application. Topics will be added soon which outline the features and steps available in the Express Wizard.

Disaster Recovery

Disaster Recovery (DR) Job Type

Select the type of DR job you want to run.

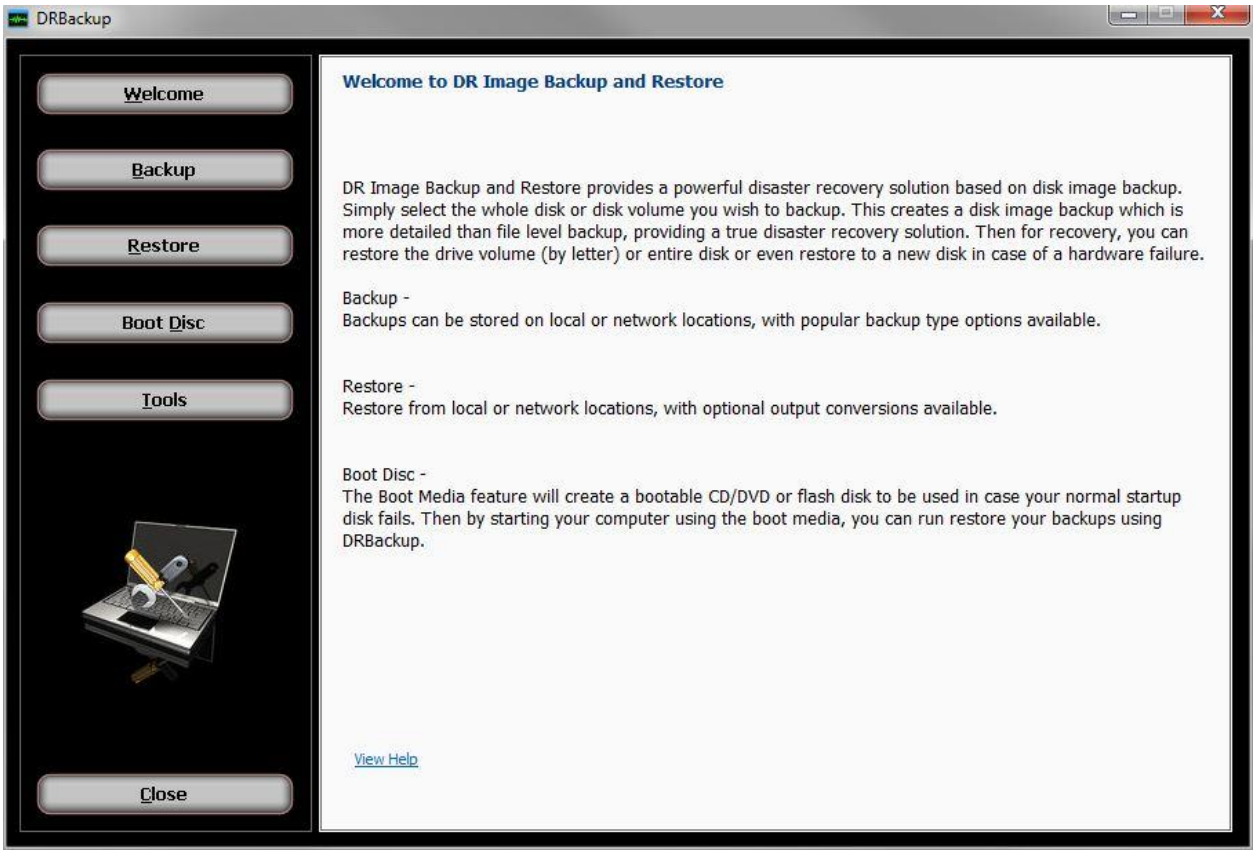

Disaster Recovery Wizard
Wizard Step:
Operation Type
Select Items
Choose Destination
Run / Schedule Job
Job Summary:
Name:
Destination:
Contents:
Disaster Recovery Backup
Select Items To Backup
Disaster Recovery Schedule
Launch Disaster Recovery Tool for Backup/Restore/Boot CD Creation.
Help
Select the type of Disaster Recovery option you wish to perform. For restores or to create a bootable recovery CD or DVD, select "Launch Disaster Recovery Tool. . ".
TIP:
It's a good idea to update your Disaster Recovery boot disk after installing new software or hardware device.
Back
Next
Cancel
Help

Disaster Recovery Schedule: Setup a DR job to be scheduled to run at a later time

Launch Disaster Recovery Tool: Launches the DR application.

Application

Introduction


DRBackup
Welcome
Backup
Restore
Boot Disc
Tools
Close
Welcome to DR Image Backup and Restore
DR Image Backup and Restore provides a powerful disaster recovery solution based on disk image backup. Simply select the whole disk or disk volume you wish to backup. This creates a disk image backup which is more detailed than file level backup, providing a true disaster recovery solution. Then for recovery, you can restore the drive volume (by letter) or entire disk or even restore to a new disk in case of a hardware failure.
Backup -
Backups can be stored on local or network locations, with popular backup type options available.
Restore -
Restore from local or network locations, with optional output conversions available.
Boot Disc -
The Boot Media feature will create a bootable CD/DVD or flash disk to be used in case your normal startup disk fails. Then by starting your computer using the boot media, you can run restore your backups using DRBackup.
View Help

DR Image Backup and Restore provides a powerful disaster recovery solution based on disk image backup. Simply select the whole disk or disk volume you wish to backup. This creates a disk image backup which is more detailed than file level backup, providing a true disaster recovery solution. Then for recovery, you can restore the drive volume (by letter) or entire disk or even restore to a new disk in case of a hardware failure.

Backups can be stored on local or network locations, with popular backup options available. Restores may also select from backups stored on local or network locations, with optional output conversions available.

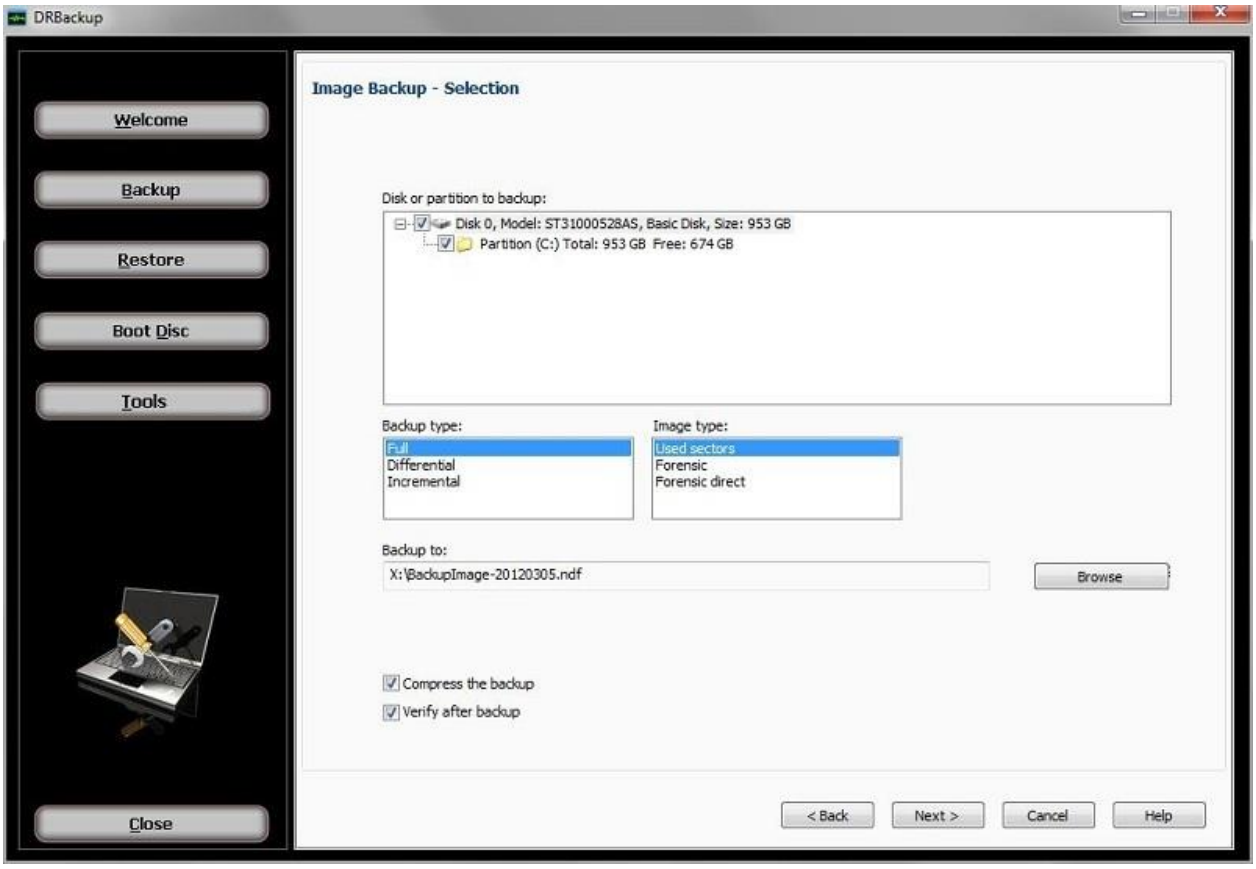
To complete the disaster recovery solution, use the Boot Disc feature to create a bootable CD/DVD or flash disk. This provides the ability to start your computer if you are unable to boot normally due to a disk or program failure.

You will need about 5 GB of free disk space to complete this process.

Backup

Selection

Image Backup - Selection



Use this screen to select disk volumes or entire disks for backup to a local disk or network location.

Disk or partition to backup:

Use the checkboxes to select the items you wish to backup.

Backup to:

Use the browse button to choose a location and filename to store your backup. You can navigate to the location desired or type a path into the edit box to obtain the same result.

Previous backup:

This is only shown if you have selected differential or incremental backup types. It is used to select the base backup for reference when creating the new backup.

Backup options:

Use compression:

Set this check box to use compression when backing up. This results in a smaller output file but may increase the time required to complete the backup.

Verify after backup

The files that are backed up will be verified to make sure that they were written correctly. Selecting this option will increase backup time. This setting is selected by default.

Backup type:

Select from this list to create a backup of these possible types.

Full - A backup which does not rely on other backups to complete a single restorable backup.

Differential - A backup of the differences from the previously completed full backup which you select.

Incremental - A backup of the differences from the previously completed differential or incremental backup which you select.

Image type:

Select from this list to create a backup containing these possible image types.

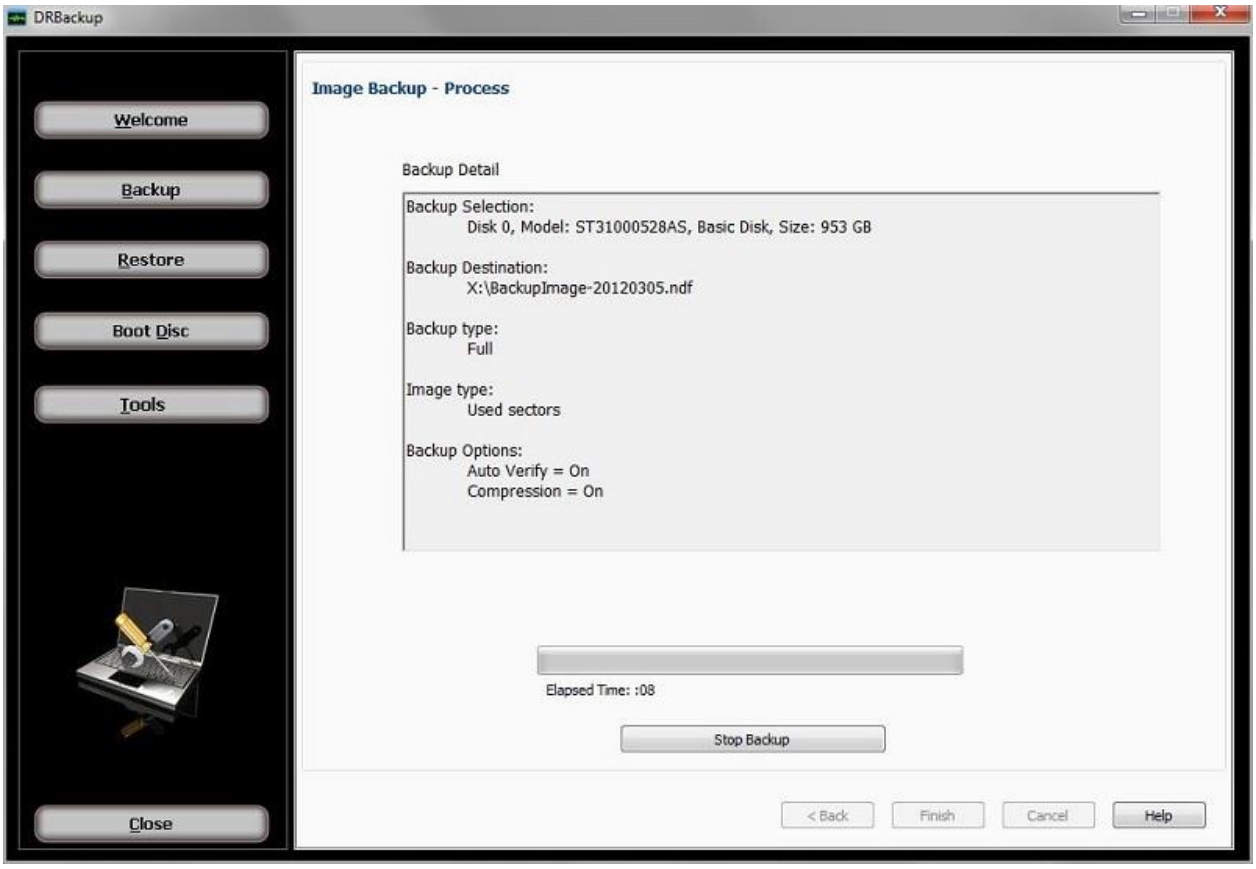
Used Sector - Only save disk space that is being used.

Forensic - Save all disk space even if it is not being used.

Forensic Direct - A forensic image type suited to disks using encryption.

Process

Image Backup - Process



This final step is used to start the backup job based on selections and options set in the previous screen.

The summary of all backup selections and options are displayed to confirm your choices. You can change any option by clicking the back button. Once changes are complete, click the next button to return to this screen.

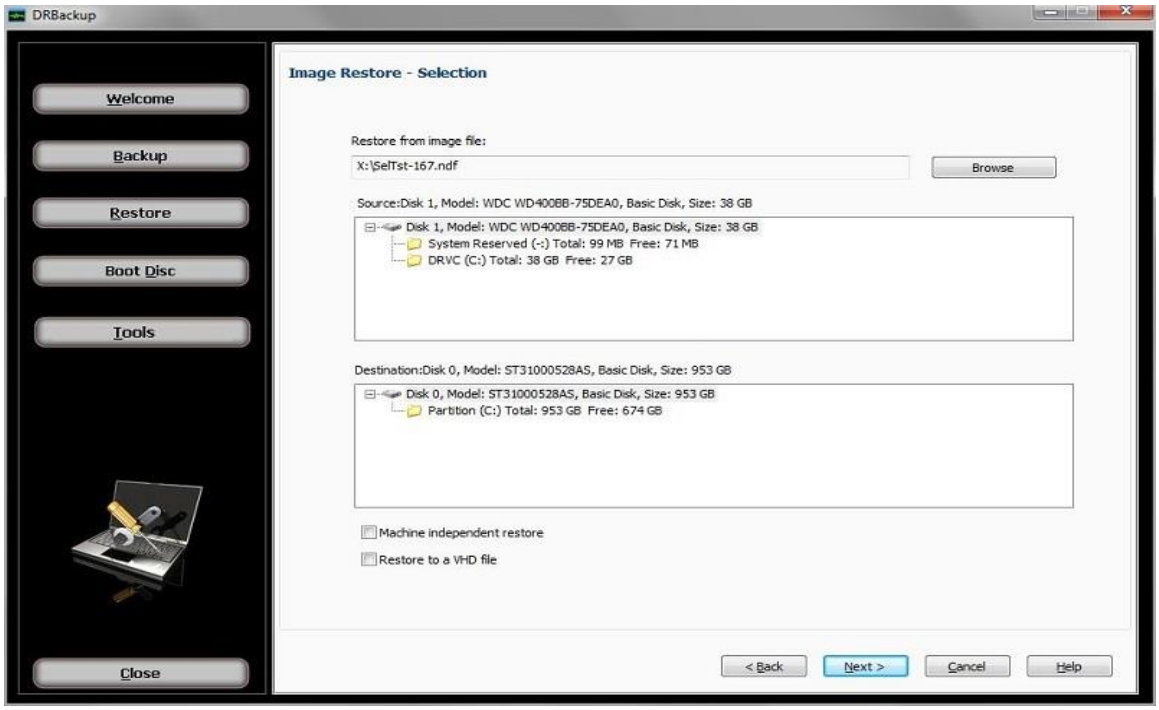
Click the finish button to start the backup. A progress bar appears during the process with the option to stop the backup if you wish to cancel.

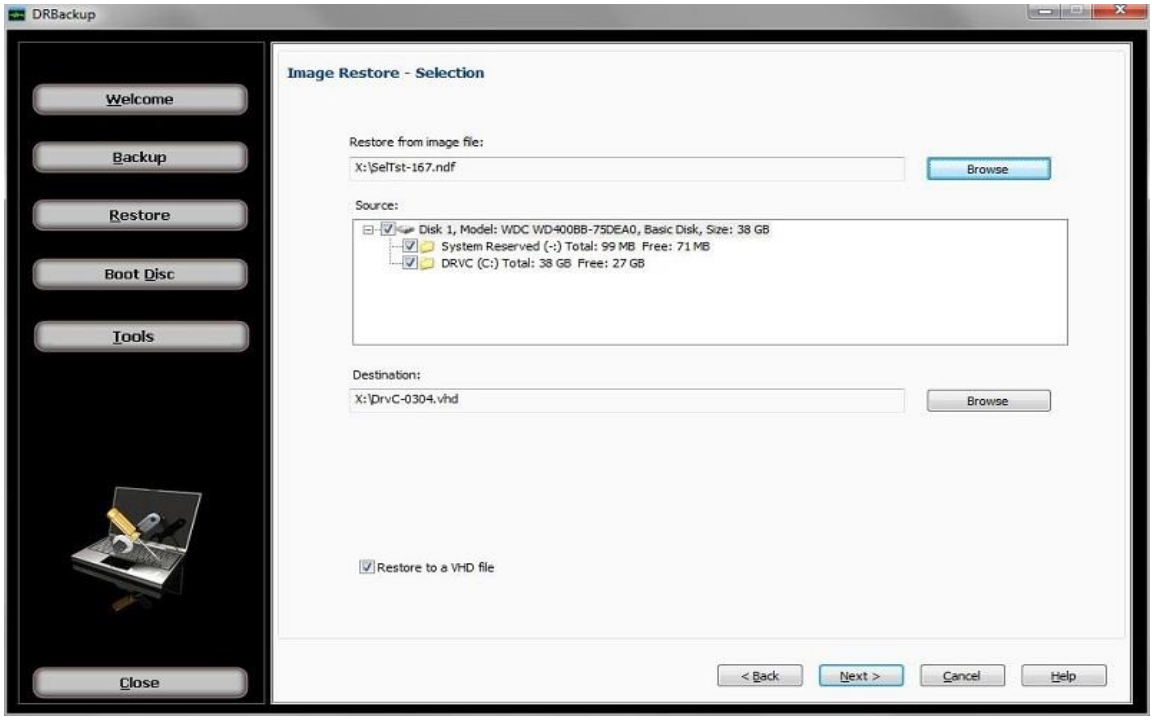
When the process completes, a final status message is shown to indicate success or errors. More information about the job can be found using the main backup application 'Logs' menu item.

Restore

Selection

Image Restore - Selection


DRBackup
Welcome
Backup
Restore
Boot Disc
Tools
Close
Image Restore - Selection
Restore from image file:
X:\SelTst-167.ndf
Browse
Source:Disk 1, Model: WDC WD400BB-75DEA0, Basic Disk, Size: 38 GB
Disk 1, Model: WDC WD400BB-75DEA0, Basic Disk, Size: 38 GB
System Reserved (-:) Total: 99 MB Free: 71 MB
DRVC (C:) Total: 38 GB Free: 27 GB
Destination:Disk 0, Model: ST31000528AS, Basic Disk, Size: 953 GB
Disk 0, Model: ST31000528AS, Basic Disk, Size: 953 GB
Partition (C:) Total: 953 GB Free: 674 GB
Machine independent restore
Restore to a VHD file
< Back
Next >
Cancel
Help



Use this screen to select disk volumes or entire disks from backup files stored on a local disk or network location.

Normal data recovery requires no special options, only source and destination choices. First choose the backup file, and from that backup select the item you wish to recover. Then in the destination list of existing disks, select the item to restore from the selected backup item.

Restore from image file:

This is the first choice available before any other options are shown. Use the browse button to the locate the desired backup. After confirming the selected backup file, the source list will show the backup content.

Destination: (drive list)

This list shows existing drives and volumes available to restore from the selected backup item. This list will not appear when selecting the VHD output option.

Destination: (file name)

This is used to specify the output file when selecting VHD output option. Use the browse button to select a location and file name for the output file.

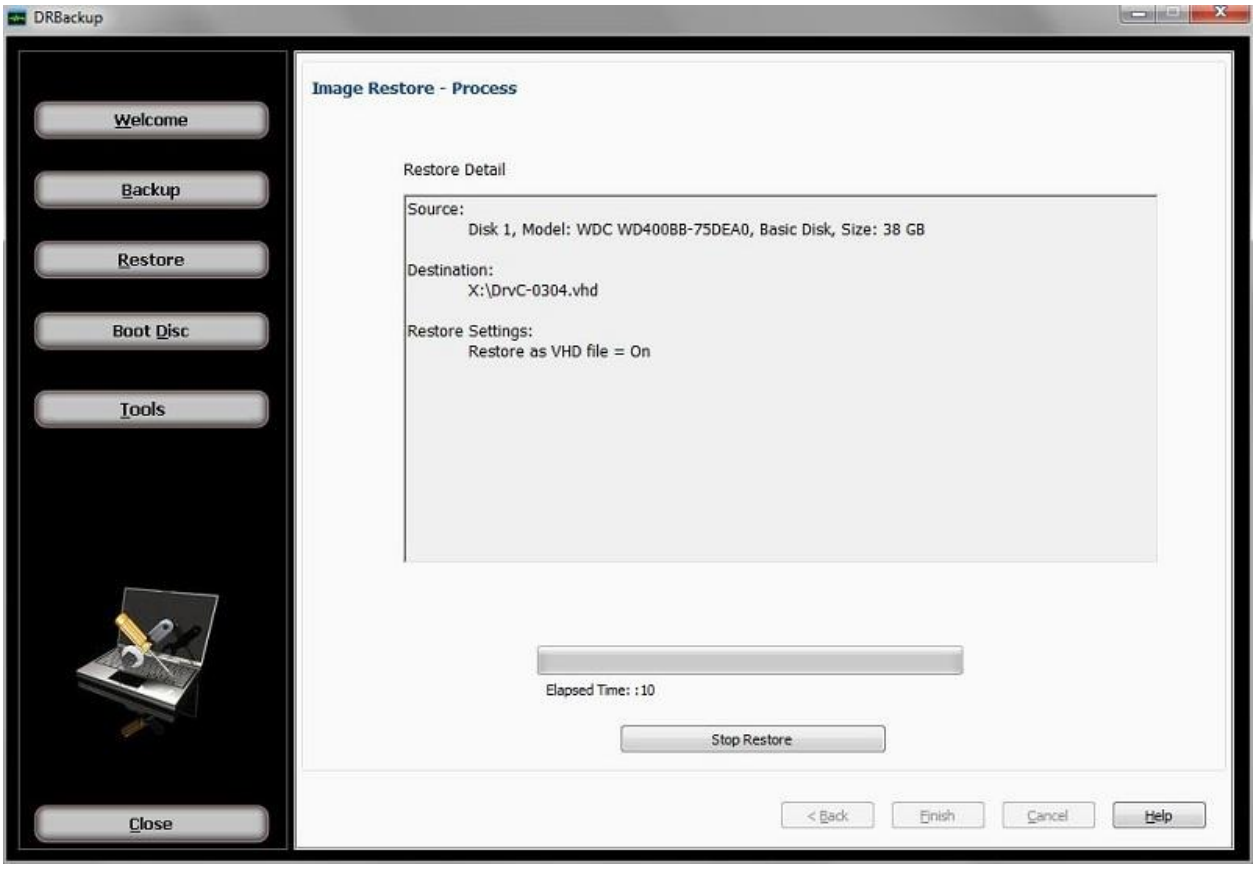
Restore options:

Restore to a VHD file - Using the selections in the backup image, create an output file instead of restoring to another disk. The output file is is created using the specified name and location and converted to a Microsoft mountable VHD format. Note that only a used sector backup can be used to create a VHD output file which will mount successfully.

Machine independent restore - Use this feature to restore an image containing the system partition onto another computer with different hardware. Note that only a volume (or partition) may be selected from the backup to perform this type of restore, and the destination must not be the current active partition.

Process

Image Restore - Process



This final step is used to start the restore job based on your selections and options set in the previous screen.

The summary of all restore selection and options are displayed to confirm your choices. You can change any option by clicking the back button. Once changes are complete, click the next button to return to this screen.

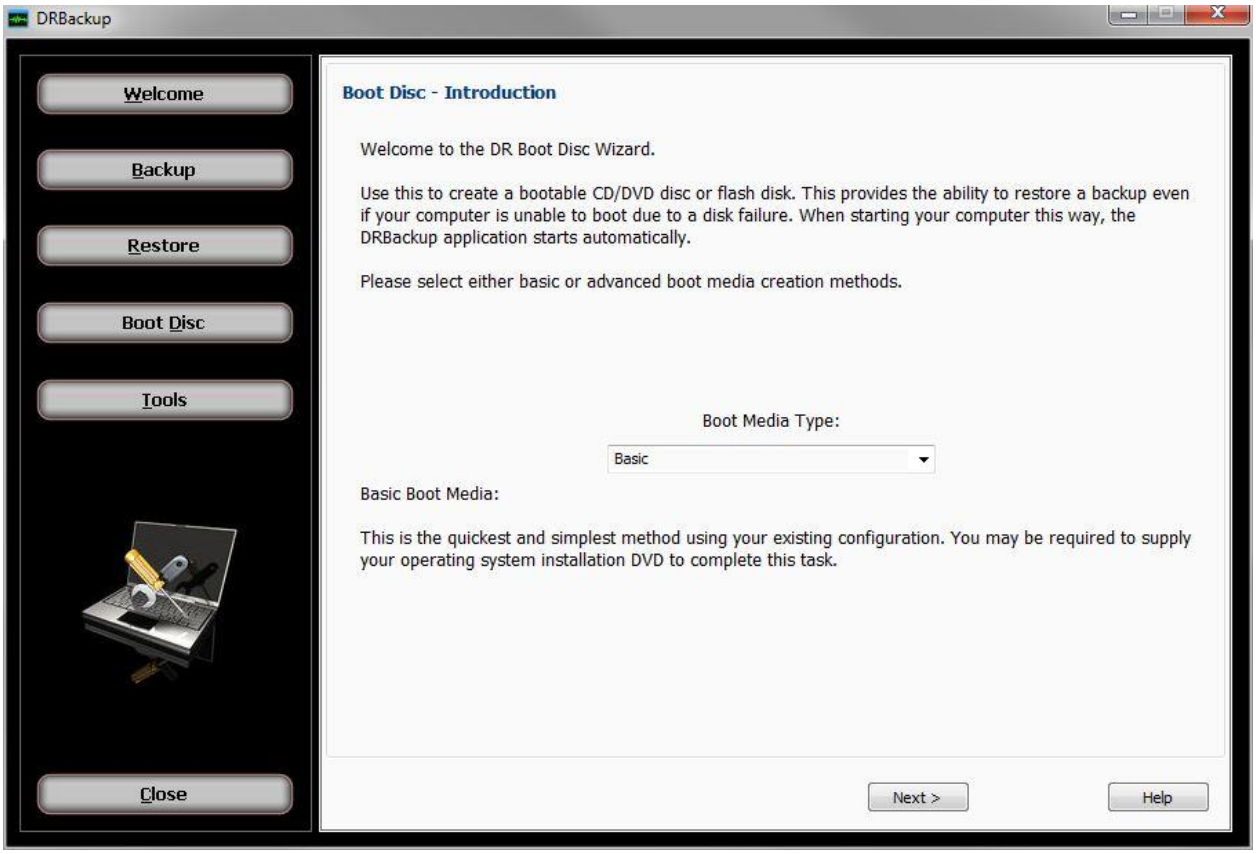
Click the finish button to start the restore. A progress bar appears during the process with the option to stop the restore if you wish to cancel.

When the process completes, a final status message is shown to indicate success or errors. More information about the job can be found using the main backup application 'Logs' menu item.

DR Boot Disc

Boot Disc - Introduction and Selection

Boot Disc - Introduction and boot disc creation type selection

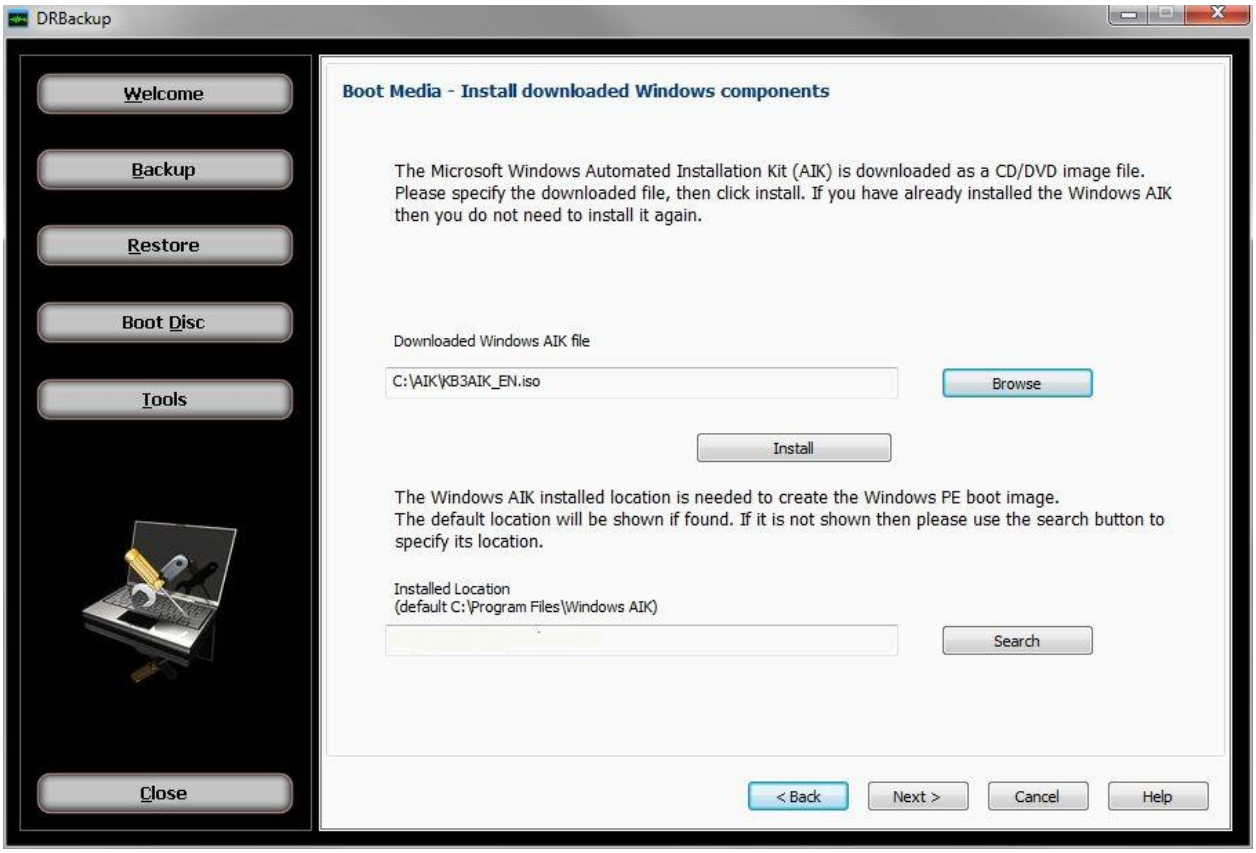

DRBackup
Welcome
Backup
Restore
Boot Disc
Tools
Close
Boot Disc - Introduction
Welcome to the DR Boot Disc Wizard.
Use this to create a bootable CD/DVD disc or flash disk. This provides the ability to restore a backup even if your computer is unable to boot due to a disk failure. When starting your computer this way, the DRBackup application starts automatically.
Please select either basic or advanced boot media creation methods.
Boot Media Type:
Basic
Basic Boot Media:
This is the quickest and simplest method using your existing configuration. You may be required to supply your operating system installation DVD to complete this task.
Next >
Help

The Boot Disc Introduction screen is also used to select the type of boot disc method you prefer. In most cases the basic type is preferred since there are no additional components required to download.

However for those users running configurations that require special handling such as special device drivers included in the boot disc, the advanced type may be needed to create a boot disc capable of starting the system successfully.

Install Windows components for Windows XP

Boot Disc - Install Windows components (advanced mode only)


DRBackup
Welcome
Backup
Restore
Boot Disc
Tools
Close
Boot Media - Install downloaded Windows components
The Microsoft Windows Automated Installation Kit (AIK) is downloaded as a CD/DVD image file.
Please specify the downloaded file, then click install. If you have already installed the Windows AIK
then you do not need to install it again.
Downloaded Windows AIK file
C:\AIK\KB3AIK_EN.iso
Browse
Install
The Windows AIK installed location is needed to create the Windows PE boot image.
The default location will be shown if found. If it is not shown then please use the search button to
specify its location.
Installed Location
(default C:\Program Files\Windows AIK)
Search
< Back
Next >
Cancel
Help

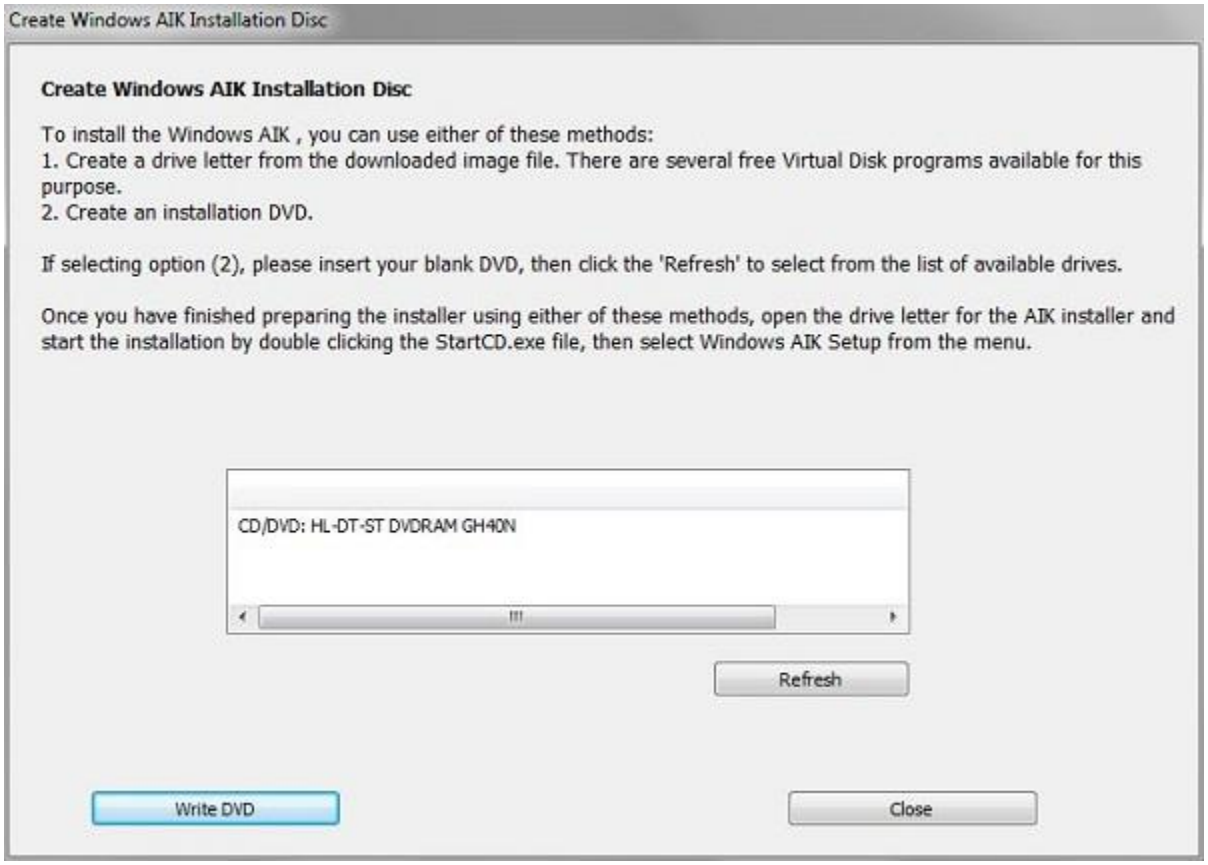
Downloaded Windows AIK file:

The Microsoft Windows Automated Installation Kit (AIK) is downloaded as a CD/DVD image file. Use the browse button to locate the file which was downloaded in the previous step. The location and name of the file is needed so that the Windows AIK installation DVD can be created.

Install button:

With the downloaded Windows AIK file location showing above, click the install button. If you have already installed the Windows AIK then you do not need to install it again.

When clicking the install button, another screen appears:


Create Windows AIK Installation Disc
Create Windows AIK Installation Disc
To install the Windows AIK , you can use either of these methods:
1. Create a drive letter from the downloaded image file. There are several free Virtual Disk programs available for this purpose.
2. Create an installation DVD.
If selecting option (2), please insert your blank DVD, then click the 'Refresh' to select from the list of available drives.
Once you have finished preparing the installer using either of these methods, open the drive letter for the AIK installer and start the installation by double clicking the StartCD.exe file, then select Windows AIK Setup from the menu.
CD/DVD: HL-DT-ST DVDRAM GH40N
Refresh
Write DVD
Close

Create Windows AIK Installation Disc:

To install the Windows AIK program, you can use either of these methods:

1. Create a drive letter from the downloaded Windows AIK installation file. There are several free Virtual Disk programs available for this purpose.

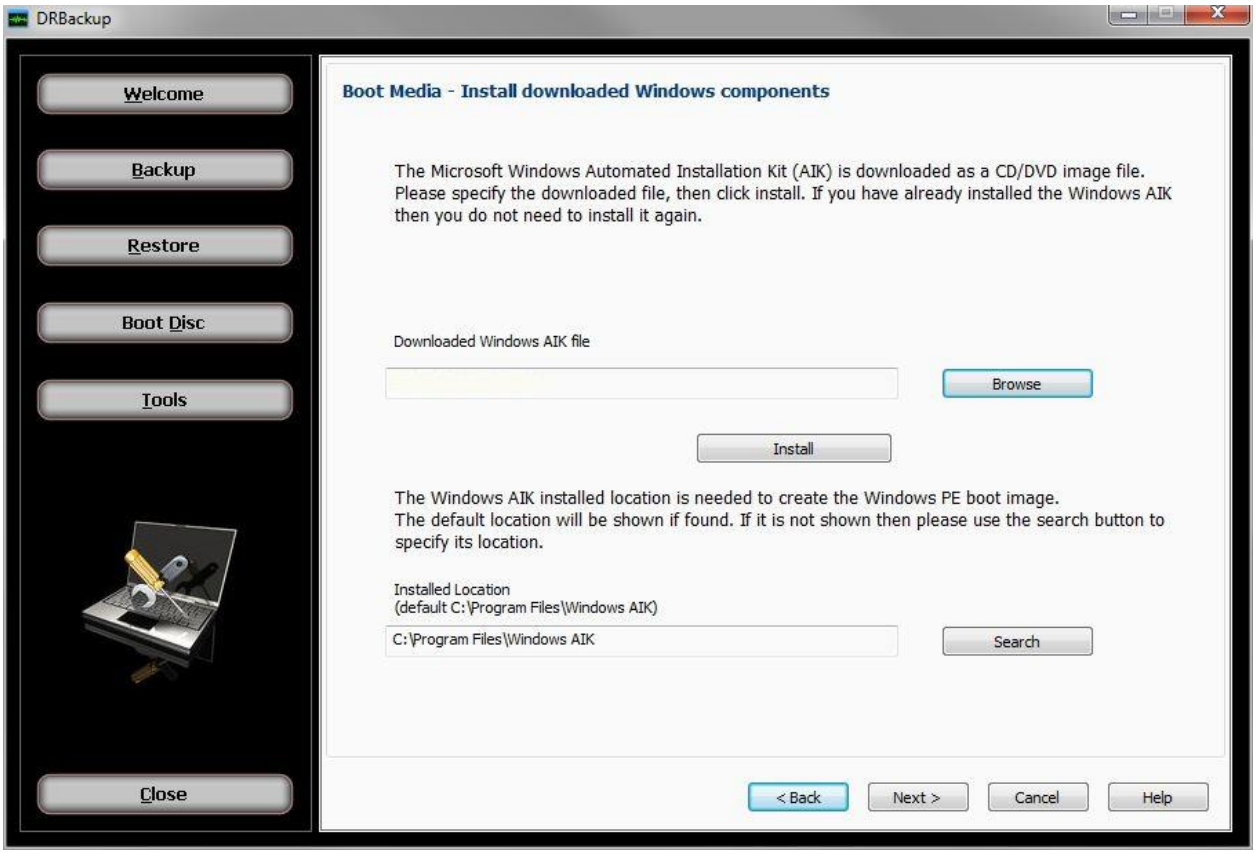
2. Create an installation DVD.

If selecting option (2), please insert your blank DVD into a writable DVD drive, then click the Refresh button to select the listed drive to use to create the installation DVD. Once you have made that selection, click the Write DVD button and wait for the process to complete.

Once you have finished preparing the installer using either of these methods, open the drive letter for the AIK installer and start the installation by double clicking the StartCD.exe file, then select Windows AIK Setup from the menu.

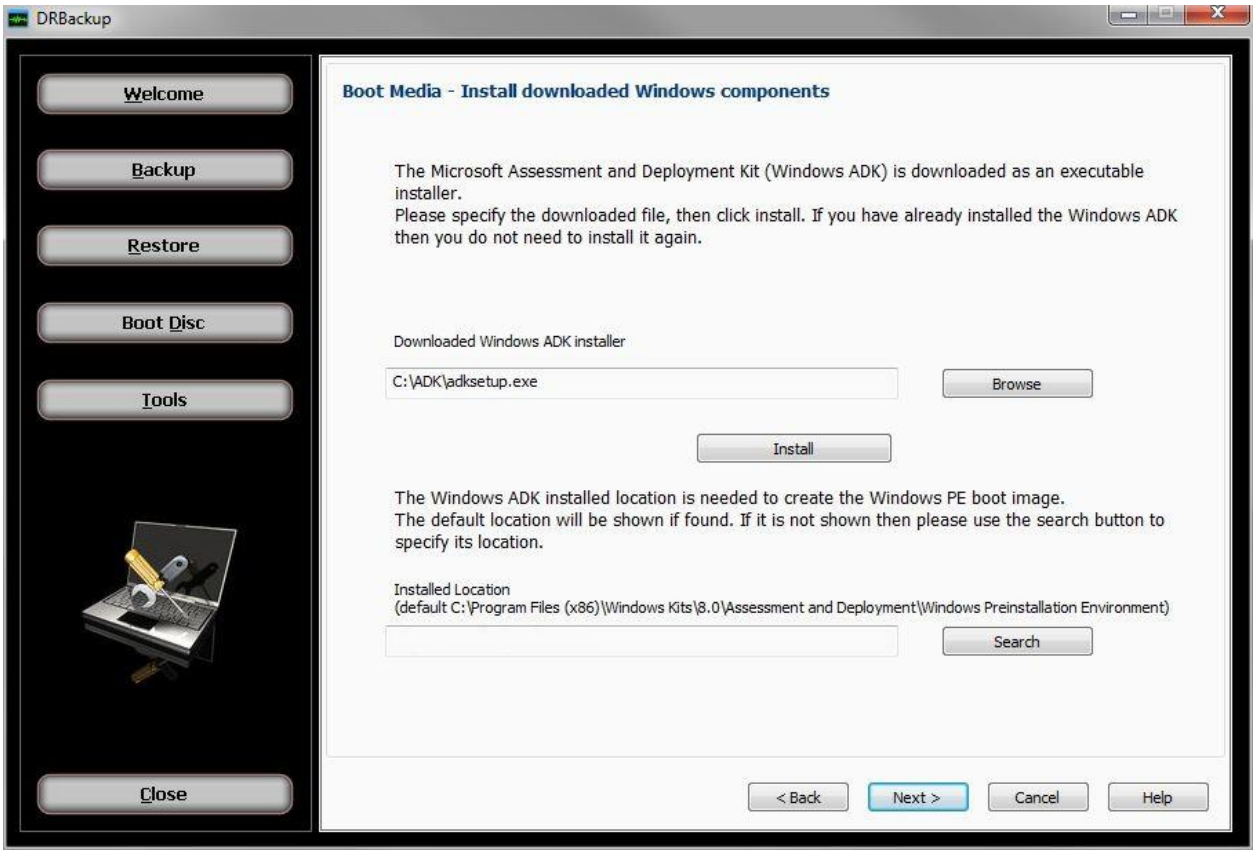
Installed Windows AIK location:

Once the Windows AIK has been installed, its location is needed to run the steps required to create boot image file based on the Windows PE operating system. The default location will be shown if found. If it is not shown then please use the search button to specify the folder where it has been installed.


DRBackup
Welcome
Backup
Restore
Boot Disc
Tools
Close
Boot Media - Install downloaded Windows components
The Microsoft Windows Automated Installation Kit (AIK) is downloaded as a CD/DVD image file. Please specify the downloaded file, then click install. If you have already installed the Windows AIK then you do not need to install it again.
Downloaded Windows AIK file
Browse
Install
The Windows AIK installed location is needed to create the Windows PE boot image.
The default location will be shown if found. If it is not shown then please use the search button to specify its location.
Installed Location
(default C:\Program Files\Windows AIK)
C:\Program Files\Windows AIK
Search
< Back
Next >
Cancel
Help

Install Windows components for Windows Vista or later

Boot Disc - Install Windows components (advanced mode only)


DRBackup
Welcome
Backup
Restore
Boot Disc
Tools
Close
Boot Media - Install downloaded Windows components
The Microsoft Assessment and Deployment Kit (Windows ADK) is downloaded as an executable installer.
Please specify the downloaded file, then click install. If you have already installed the Windows ADK then you do not need to install it again.
Downloaded Windows ADK installer
C:\ADK\adksetup.exe
Browse
Install
The Windows ADK installed location is needed to create the Windows PE boot image.
The default location will be shown if found. If it is not shown then please use the search button to specify its location.
Installed Location
(default C:\Program Files (x86)\Windows Kits\8.0\Assessment and Deployment\Windows Preinstallation Environment)
Search
< Back
Next >
Cancel
Help

Downloaded Windows ADK file:

The Microsoft Windows Assessment and Deployment Kit (ADK) is downloaded as an executable file. Use the browse button to locate the file which was downloaded in the previous step. The location and name of the file is needed so that the Windows ADK installation can be launched.

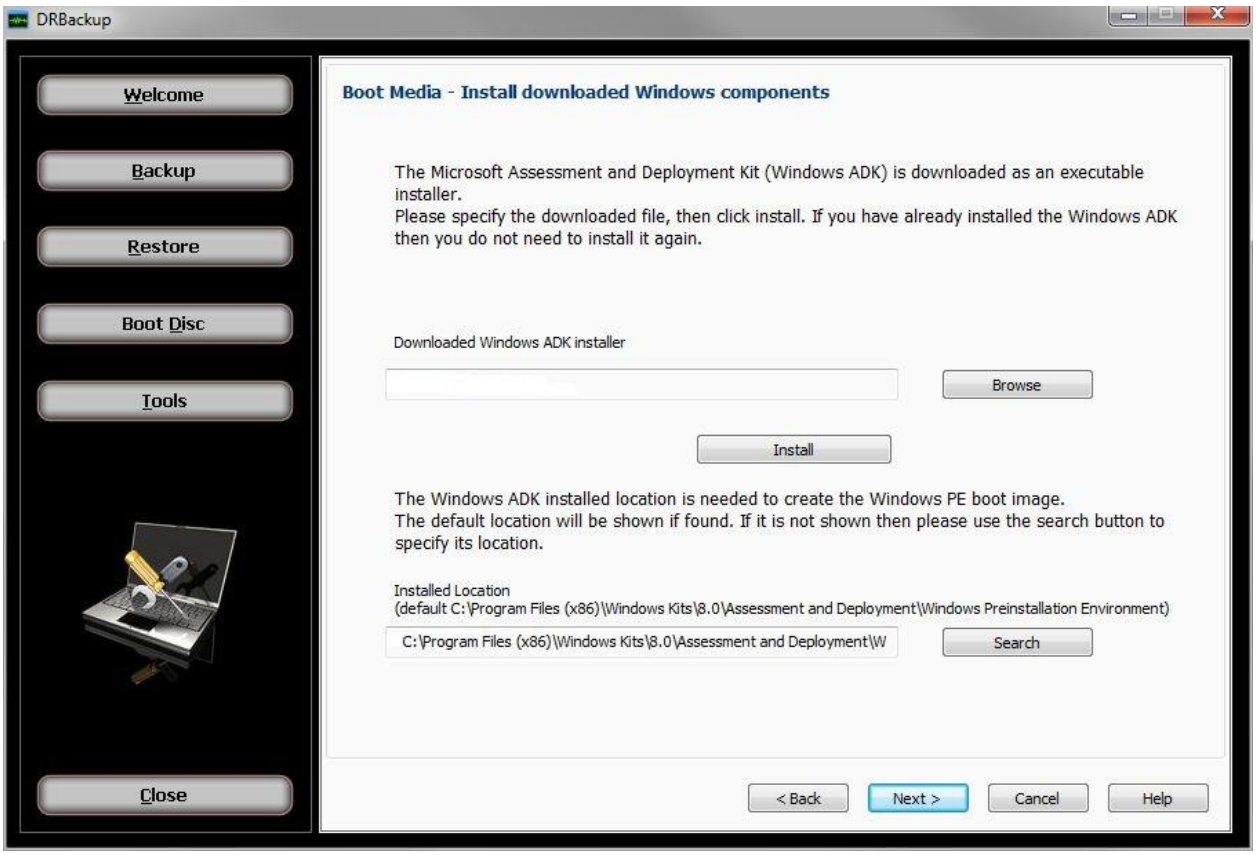
Install button:

With the downloaded Windows ADK setup file location showing above, click the install button. If you have already installed the Windows ADK then you do not need to install it again.

When clicking the install button the ADK installer is started and pre-configured to only select the component you need, which is the Windows Preinstallation Environment (Windows PE).

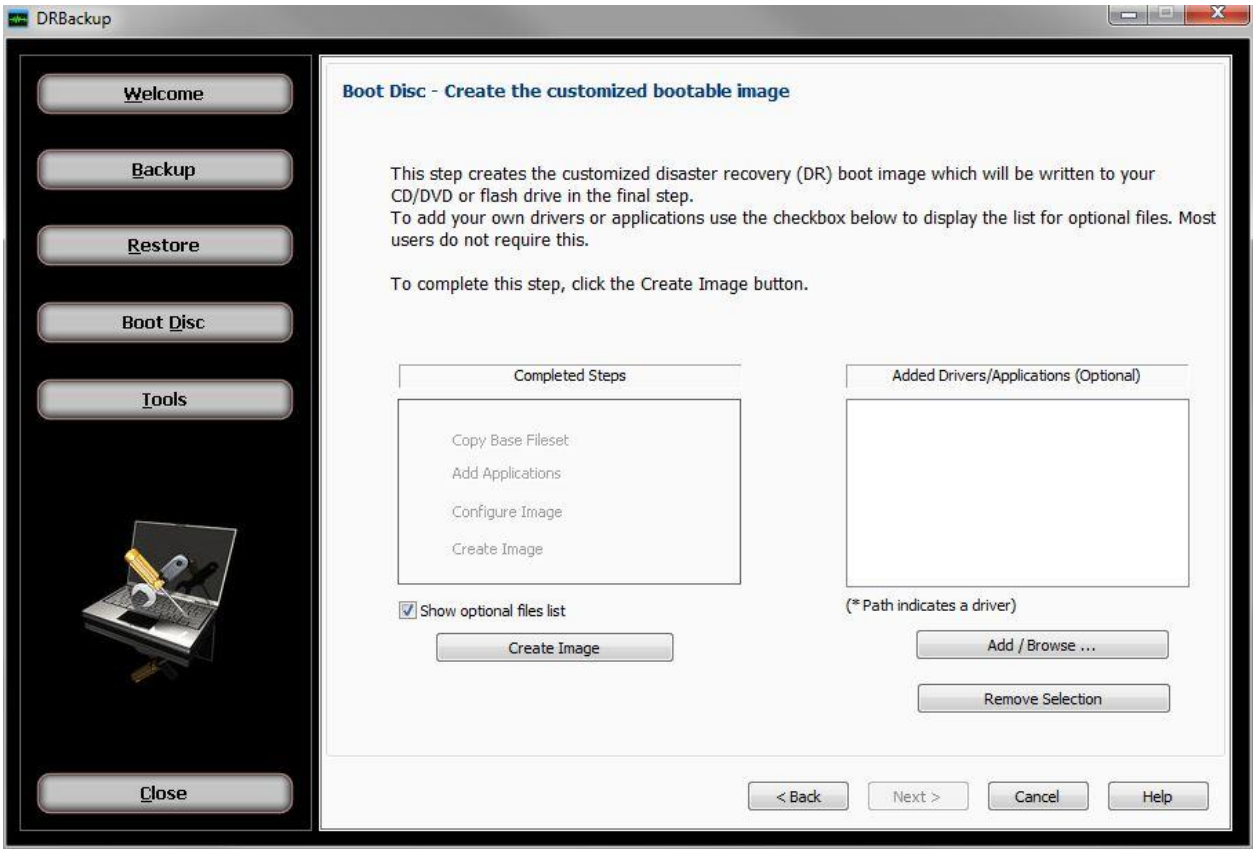
Installed location:

Once the Windows ADK has been installed, its location is needed to run the steps required to create boot image file based on the Windows PE operating system. The default location will be shown if found. If it is not shown then please use the search button to specify the folder where it has been installed.


DRBackup
Welcome
Backup
Restore
Boot Disc
Tools
Close
Boot Media - Install downloaded Windows components
The Microsoft Assessment and Deployment Kit (Windows ADK) is downloaded as an executable installer.
Please specify the downloaded file, then click install. If you have already installed the Windows ADK then you do not need to install it again.
Downloaded Windows ADK installer
Browse
Install
The Windows ADK installed location is needed to create the Windows PE boot image.
The default location will be shown if found. If it is not shown then please use the search button to specify its location.
Installed Location
(default C:\Program Files (x86)\Windows Kits\8.0\Assessment and Deployment\Windows Preinstallation Environment)
C:\Program Files (x86)\Windows Kits\8.0\Assessment and Deployment\W
Search
< Back
Next >
Cancel
Help

Create Boot Image

Boot Disc - Create the customized bootable image


DRBackup
Welcome
Backup
Restore
Boot Disc
Tools
Close
Boot Disc - Create the customized bootable image
This step creates the customized disaster recovery (DR) boot image which will be written to your CD/DVD or flash drive in the final step.
To add your own drivers or applications use the checkbox below to display the list for optional files. Most users do not require this.
To complete this step, click the Create Image button.
Completed Steps
Copy Base Fileset
Add Applications
Configure Image
Create Image
Added Drivers/Applications (Optional)
Show optional files list
Create Image
(* Path indicates a driver)
Add / Browse ...
Remove Selection
< Back
Next >
Cancel
Help

This step creates the customized disaster recovery (DR) boot image which will be written to your CD/DVD or flash drive in the final step. To add your own drivers or applications use the optional files checkbox to show that list. Most users do not require this.

Note, only the advanced mode offers the ability to add drivers to the boot media which are in effect during the boot process. Both basic and advanced mode offer the ability to add custom application files to the boot media.

Show optional files list:

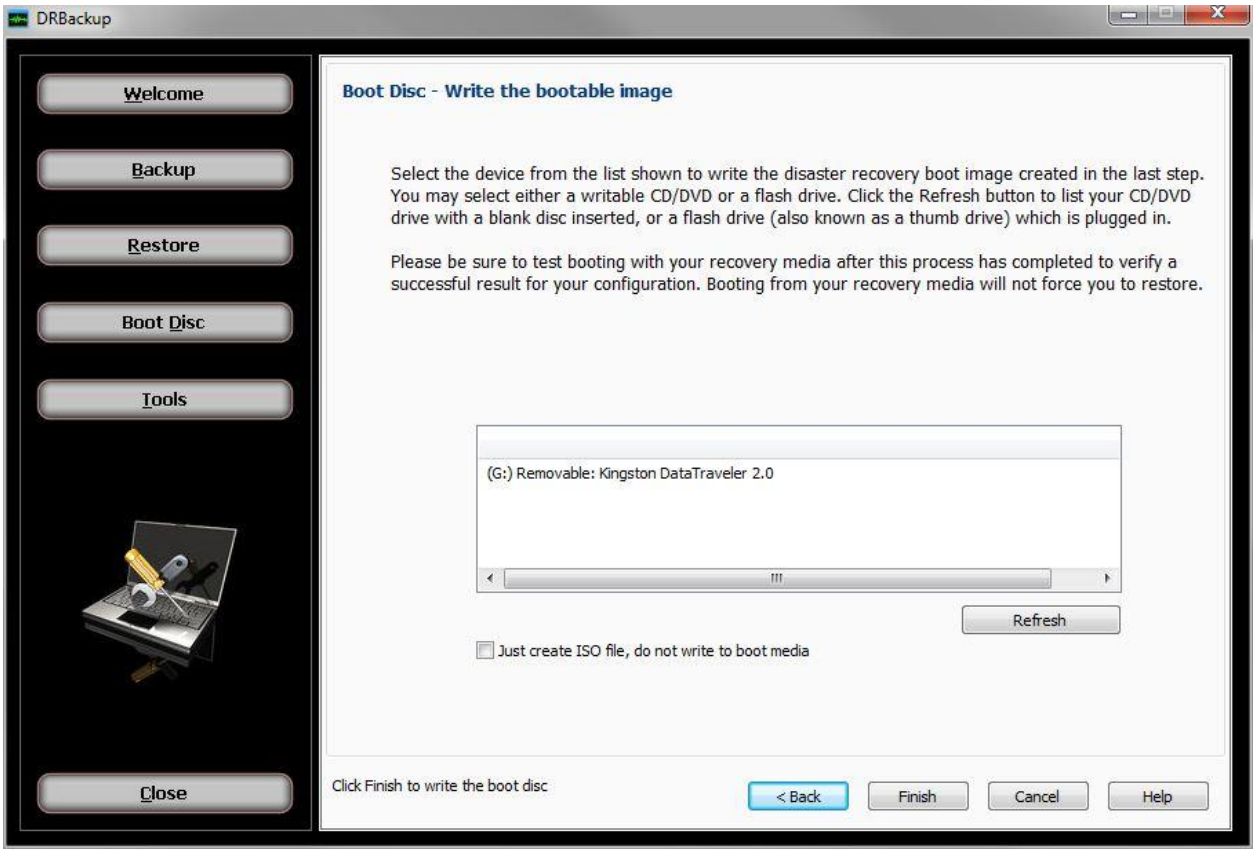
Add Drivers or Applications
Add Optional Drivers or Applications
Here you may specify drivers or applications you want added to your DR Boot environment. To do so just browse and select the folder containing the files you wish to add. Be sure to select which type your are adding, driver or application. In the DR Image, drivers are integrated into the Windows operating system, and applications are simply placed under the Program Files folder.
Driver or Application Folder:
Browse
Add as Driver
Add as Application
OK
Cancel

When this checkbox is set, this displays the list used to specify optional drivers or applications you can add to your DR boot image . Click the Add / Browse button to select the folder containing the files you wish to add. Be sure to select which type you are adding, driver or application. In the DR Boot Image, drivers are integrated into the Windows PE operating system and applications are simply placed under the Program Files folder. To delete any item that has been added to the list, just select that item in the list and click the Remove button.

To complete this step, click the Create Image button. This will begin the various processes needed to create the DR Boot Image with messages showing its progress. When the process has completed, click the next button to proceed to the last step.

Write Boot Disc

Boot Disc - Write the bootable image


DRBackup
Welcome
Backup
Restore
Boot Disc
Tools
Close
Boot Disc - Write the bootable image
Select the device from the list shown to write the disaster recovery boot image created in the last step. You may select either a writable CD/DVD or a flash drive. Click the Refresh button to list your CD/DVD drive with a blank disc inserted, or a flash drive (also known as a thumb drive) which is plugged in.
Please be sure to test booting with your recovery media after this process has completed to verify a successful result for your configuration. Booting from your recovery media will not force you to restore.
(G:) Removable: Kingston DataTraveler 2.0
Refresh
Just create ISO file, do not write to boot media
Click Finish to write the boot disc
< Back
Finish
Cancel
Help

Select the device from the list shown to write the disaster recovery boot image created in the last step. You may select either a writable CD/DVD or a flash drive. Click the Refresh button to list your CD/DVD drive with a blank disc inserted, or a flash drive (also known as a thumb drive) which is plugged in. Note that not all computers are capable of booting from a flash drive.

Click the Finish button when you are ready to write the bootable image to the selected device and wait for the process to complete.

If you do not wish to write the boot media but only create the ISO file, the checkbox provides that option. If checked, you will also see the path and filename where the file will be available after clicking the finish button.

It is recommended to test booting from the selected boot device to be sure you can successfully start your computer using the DR boot disc or flash drive .Once the boot process completes you should see the DRBackup application started. You do not have to run an actual disaster recovery operation when you have started your computer this way.

Tools

DR Tools

DR Tools

The DR Tools button will display a screen which provides a list from which the user may select a variety of functions:

Mount backup image volume to a drive letter

This provides the ability to access files in a backup image without having to run a restore operation. By specifying the backup image, the user may select from any volume listed in the backup image, then select any available listed drive letter to associate with that volume. Then after clicking the 'Mount' button, files will be available by accessing the selected drive letter the same way files are normally accessed.

Mount ISO file to a drive letter

This provides the ability to access files in an ISO file without having to burn that file to a CD or DVD. By specifying the ISO file image, the user only needs to then select any available listed drive letter to associate with that ISO file. Then after clicking the 'Mount' button, files will be available by accessing the selected drive letter the same way files are normally accessed.

Unmount image from a drive letter

Any drive letter that exists from a mount operation may be released and made available again using the unmount function. All that is required is to specify the drive letter desired, then clicking the 'Unmount' button.

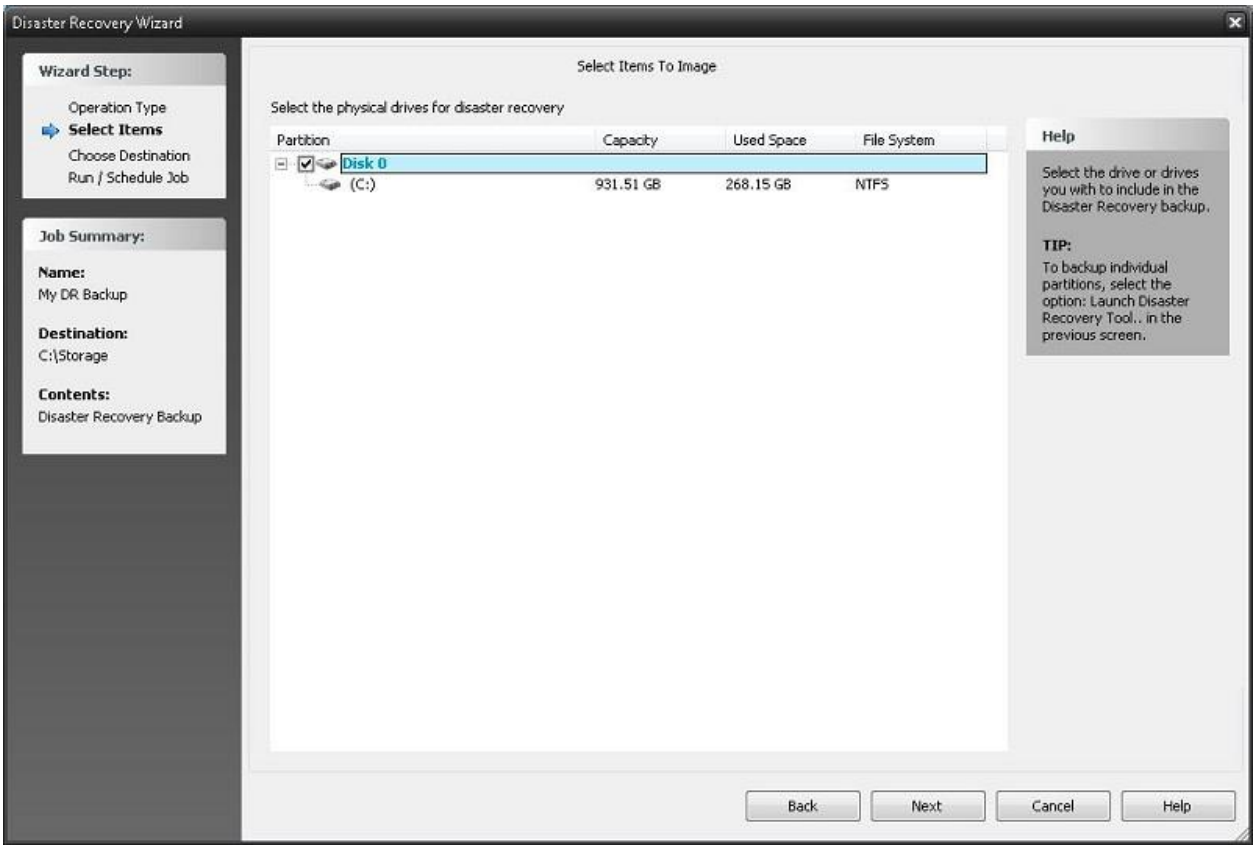
Convert backup image to a VHD

A VHD (virtual hard disk) file is normally associated with the Microsoft Hyper-V server. During restore operations, the user has the option to create VHD file output instead of performing a restore to disk operation. This tool makes the same result possible without requiring the steps normally used for restore. After selecting the source backup image and the drive desired for conversion in the backup, the user then specifies the desired output filename and location. Then after clicking the "Convert" button, the process to create the output file begins with progress displayed.

Schedule

Select Items for Disaster Recovery

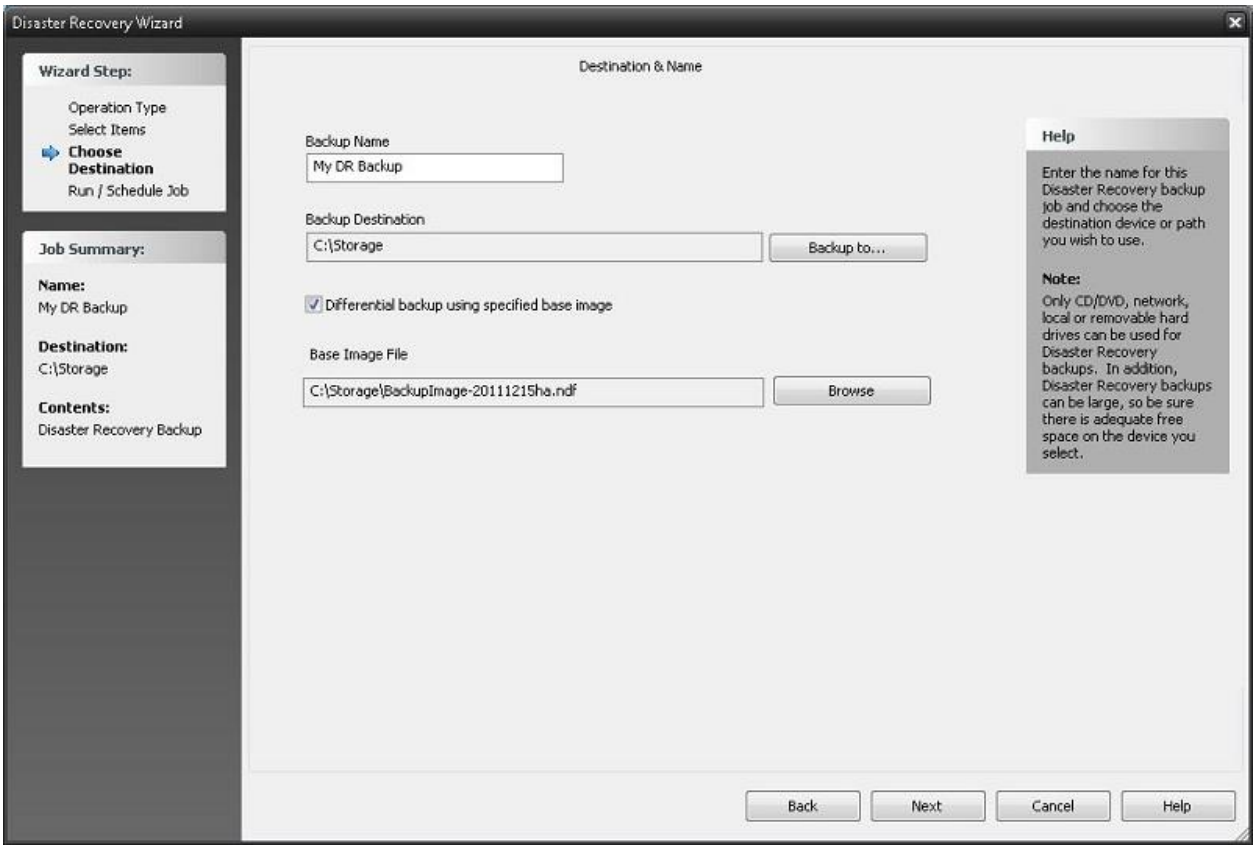
From here, select the disk you with to perform an image disaster recovery backup from.



You can only select entire drives when scheduling a Disaster Recovery image backup. If you would rather backup a single partition instead, you must launch the Disaster Recovery Tool in the previous screen

Disaster Recovery Destination

From this screen, you will select the Name and destination of the Disaster Recovery job.



Backup Name: Select a descriptive name for this Disaster Recovery job

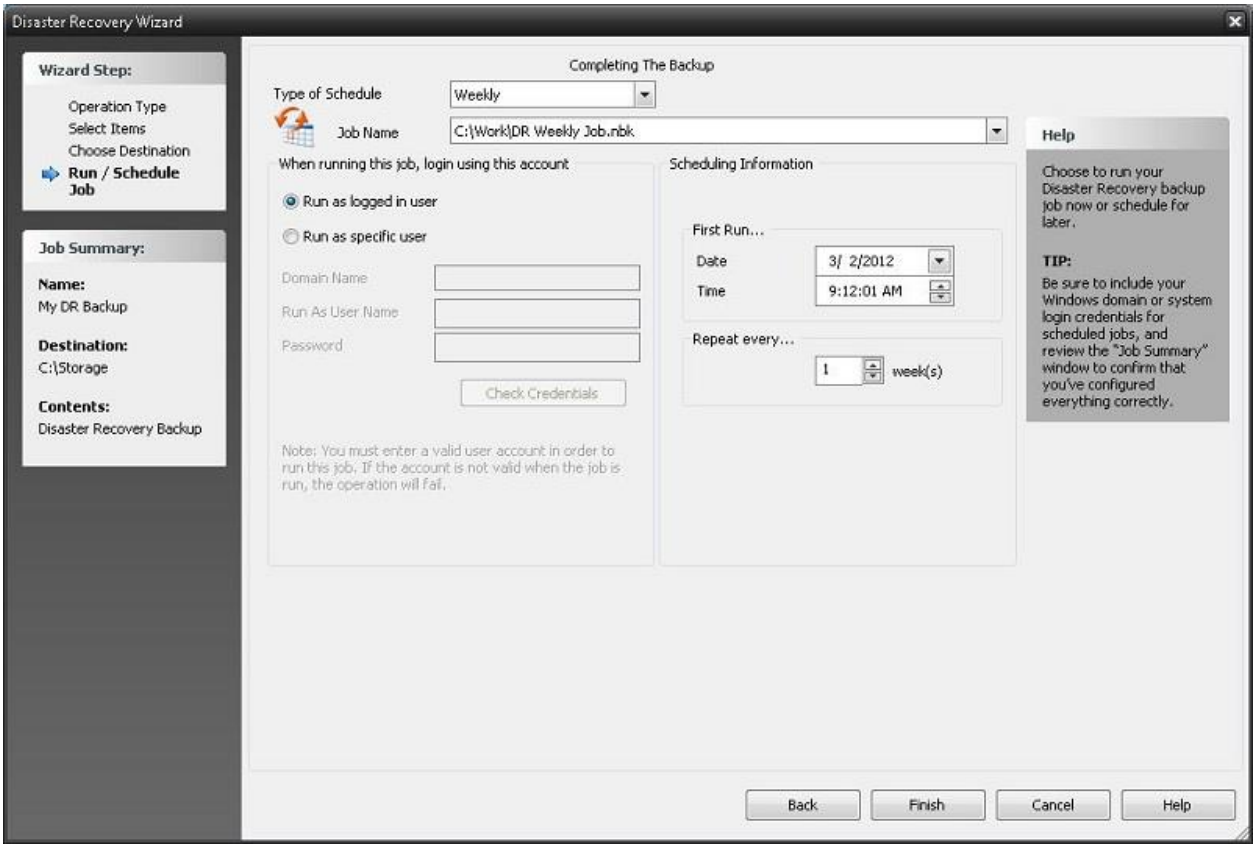
Backup Destination: Select the backup destination and path you want to use for this Disaster Recovery backup.

Differential backup using specified base image: Select this option to create a differential backup instead of a full backup. A differential backup means that the backup will contain only the differences from the full backup specified, which is called the base backup.

Base Image File: Use the browse button to locate and select the base image backup file which is required to create a differential backup.

Completing the Disaster Recovery Job

This is the final necessary screen when creating a backup set using the Wizard.



Type of Schedule

This drop-down list allows you to select whether you want the backup job to run immediately, once, by the minute, hourly, daily, weekly, or monthly.

Run Now: Run the job every so many minutes/seconds. Under "Scheduling Information", select the appropriate date and time you want the job to run

Minute: Run the job based on a minute/second increment starting on a specific date/time. Under "Scheduling Information", select the appropriate date and time the job is to start and the number of minutes and seconds between each run.

Hourly: Run the job based on an hourly increment starting on a specific date/time. Under "Scheduling Information", select the appropriate date and time the job is to start and the number of hours you want the job to repeat.

Daily: Run the job based on an daily increment starting on a specific date/time. Under "Scheduling Information", select the appropriate date and time the job is to start and the number of days you want the job to repeat. You can also select specific days to run or not run the job.

Weekly: Run the job based on an weekly increment starting on a specific date/time. Under "Scheduling Information", select the appropriate date and time the job is to start and the number of weeks you want the job to repeat.

Monthly: Run the job based on an monthly increment starting on a specific date/time. Under "Scheduling Information", select the appropriate date and time the job is to start, and the day of the month and number of months you want the job to repeat.

Job Name

This allows you to select the job that you would like to run. Click on the "Browse&ldots;" button next to the text box to see a list of all saved backup and copy job scripts.

Run Job As

Run as logged in user:

Run the job using the Windows login credentials in effect at that time.

Run as specific user:

In order for the job to run, you must enter valid windows account details.

Domain Name: The domain name you are logging into.

Run as User Name: The user name you want the job to run as.

Password: The password for the account you want the job to run as.

Note: The account information entered here is usually account you use to login to windows. However, you may need to use a different account when backing up network/shared drives.

Important: You must click the "Check Credentials" button to validate the account you have entered before proceeding forward

Backup Retention

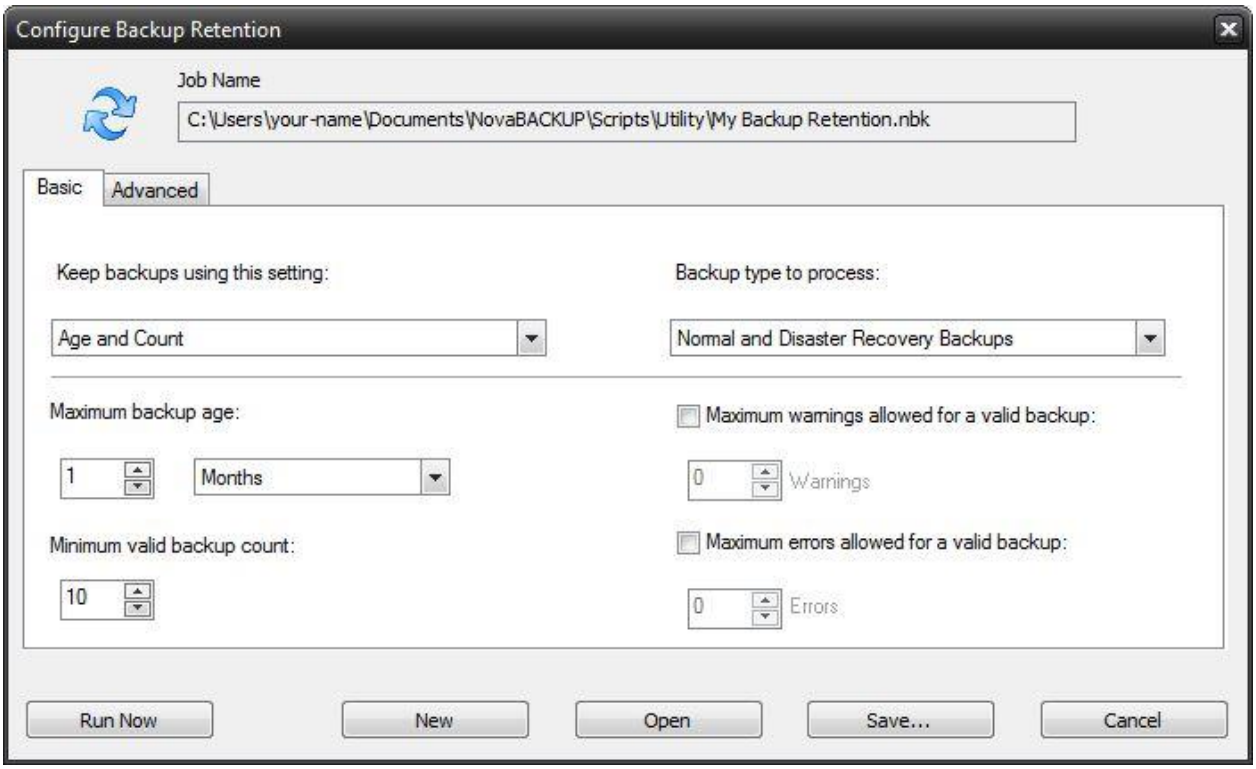
Backup Retention Overview

The backup retention feature provides the ability to create jobs to control which backups should be kept. This is useful in cases where too many backups have accumulated, storage space is running too low or you wish to keep future backups within a specified range or condition.

Backup retention jobs also check for dependencies to ensure that no backup gets deleted if another backup depends on it in order to be restored as expected. For example an incremental backup will not be deleted if an older related incremental backup remains. Also if a backup was split out to multiple files, that backup sequence will maintain its integrity by not allowing any member of that sequence to be deleted as long as others remain.

A backup retention job may be run on demand or scheduled to run automatically. To access this feature, click the schedule menu item, then click the "Backup Retention" button.

Settings contained in the basic and advanced tabs are explained in separate topics, while those common to the main screen are explained here.



Job Name

This field displays the current backup retention job script and location. If you wish to schedule a backup retention job, you will need to specify the script as it would be displayed here.

Run Now Button

Click this button to run the backup retention job using the current settings. This will also save the settings to the job script as shown in the job name field.

New Button

Click this button to open a dialog to specify a name for a new backup retention job. The new job script will have all default settings, which may then be edited and saved to the same name or to a different name.

Open Button

Click this button to open a dialog to select an existing backup retention job. This will load the job settings and set it as the current backup retention job script.

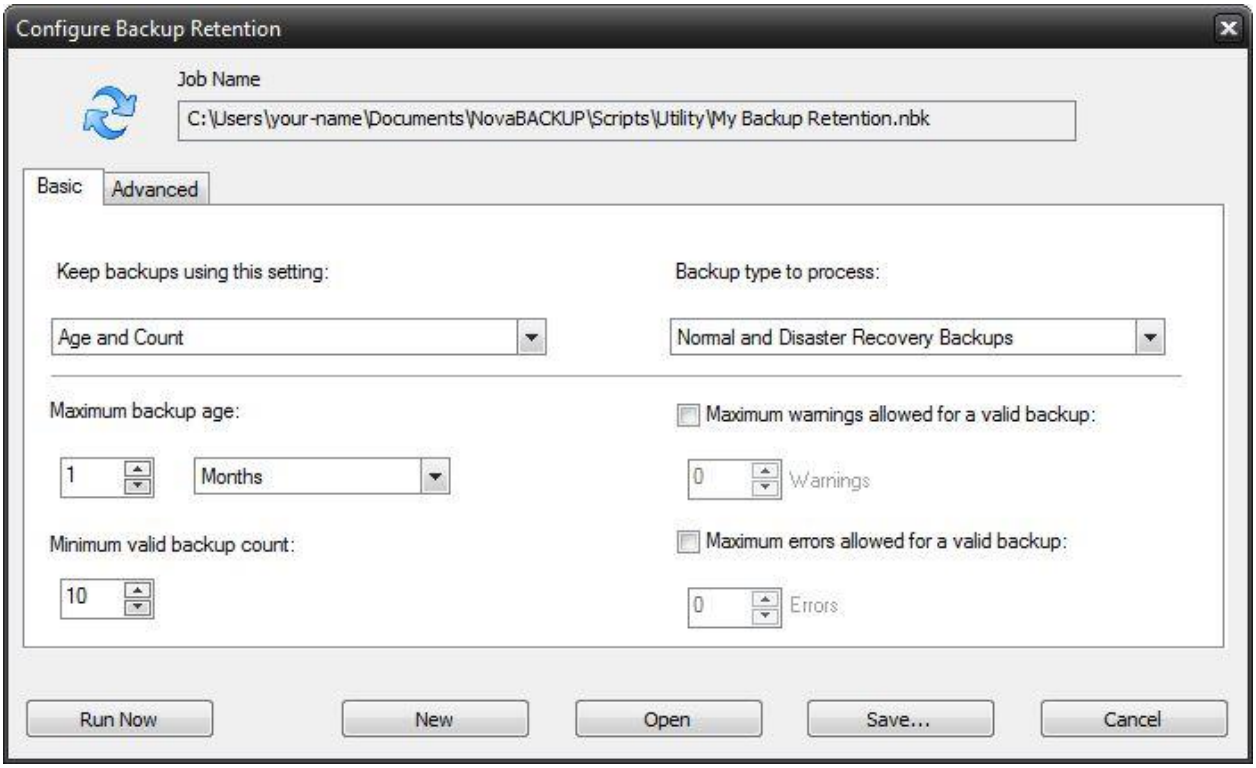
Save Button

Click this button to open a dialog to save the settings to the current backup retention job script. You can save to the current job script name or save to a different name if preferred.

Cancel Button

Click this button to close the backup retention screen without saving any changes.

Backup Retention Basic Tab



Keep backups using this setting:

Age

Keep backups for a specified minimum amount of time.

Count

Keep a specified minimum number of backups.

Age and Count

Keep backups for a specified minimum amount of time after the minimum required count is reached.

Backup type to process:

Normal Backup

The standard backup type which is based on file selection, also known simply as file backup.

Disaster Recovery Backup

The Disaster Recovery backup type, also known as image backup.

Normal and Disaster Recovery Backups

Both the Normal and Disaster Recovery backups are processed. This is the same process as each type of job were run separately with all settings applied to each type of backup separately.

Minimum backup age:

This setting specifies the age when keeping backups based on a minimum age.

Minimum valid backup count:

This setting specifies the count when keeping backups based on a minimum count.

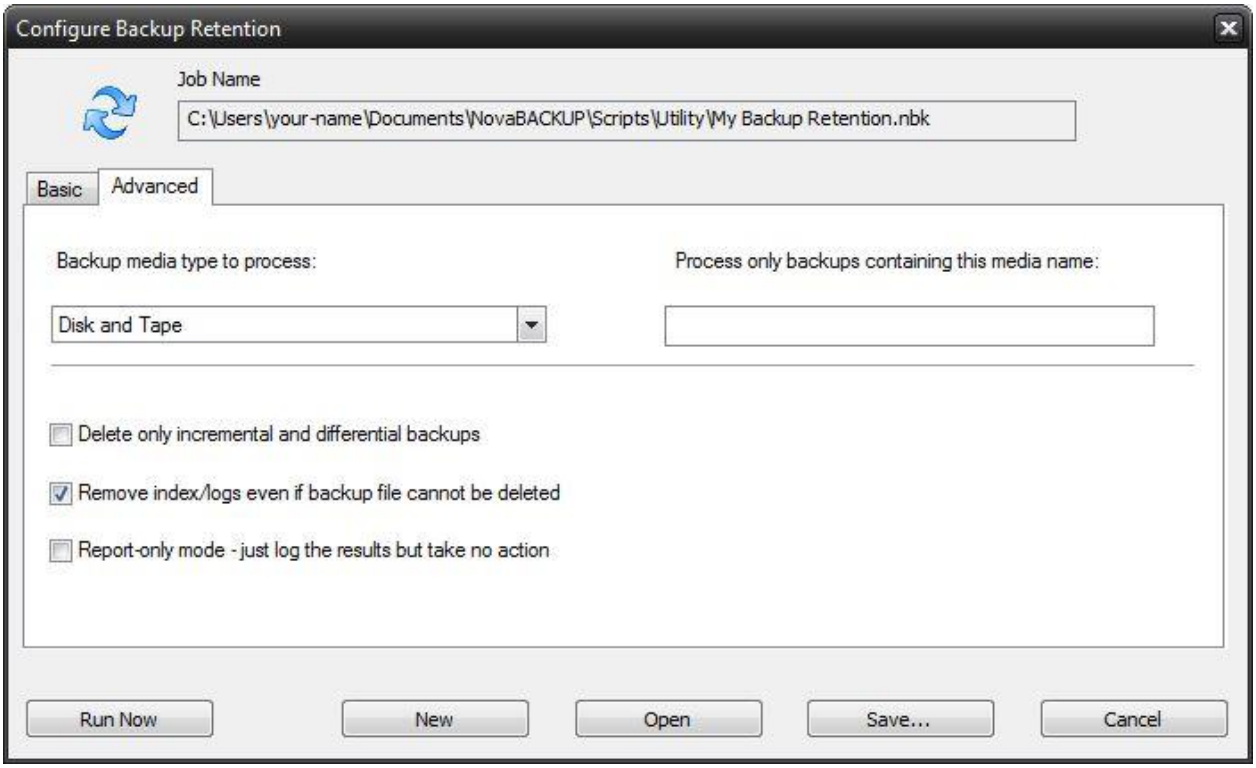
Maximum warnings allowed for a valid backup:

If this is checked, a backup will be counted as valid only if it has the set number of warnings or less.

Maximum errors allowed for a valid backup:

If this is checked, a backup will be counted as valid only if it has the set number of errors or less.

Backup Retention Advanced Tab



Backup media type to process:

Disk

Process only backups that have been saved to disk or network.

Tape

Process only backups that have been saved to tape.

Disk and Tape

Process backups that have been saved to disk, network or tape.

Process only backups containing this media name:

For normal backup types, limit the backup retention process to media containing the name specified. For disaster recovery backup types, limit the backup retention process to backups with filenames containing the name specified. Just leave this setting blank to process backups of any name. **Delete only incremental and differential backups**

If this is checked, only incremental and differential backups are allowed to be deleted. This will avoid the removal of any full or snapshot backup types.

Remove index/logs even if backup file cannot be deleted

If this is checked, related content gets removed only if the backup was deleted successfully. Related content includes indexes used to list the backup and its log entries as well as actual log files. Note that this setting does not apply to tape backup, because only disk or network backups can be deleted.

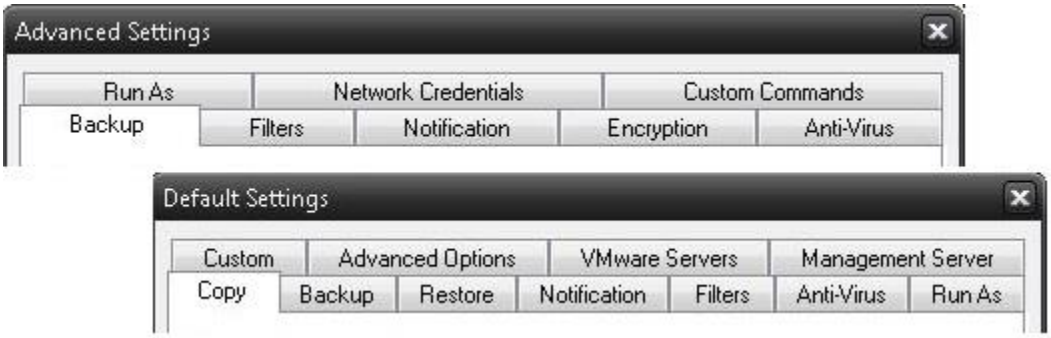
Report only mode: just log the results but take no action

If this is checked, only the results of a retention job is logged, with no changes to the state of any backups. This is similar to a print preview without actually printing.

Program Settings

Program Settings

There are options in Steelgate. To access the global options for all tasks, select the Global Settings Shortcut on the Home screen. To access options for individual tasks, you may press the "Settings" button on the Copy, Backup or Restore Tab to set options for that specific task.

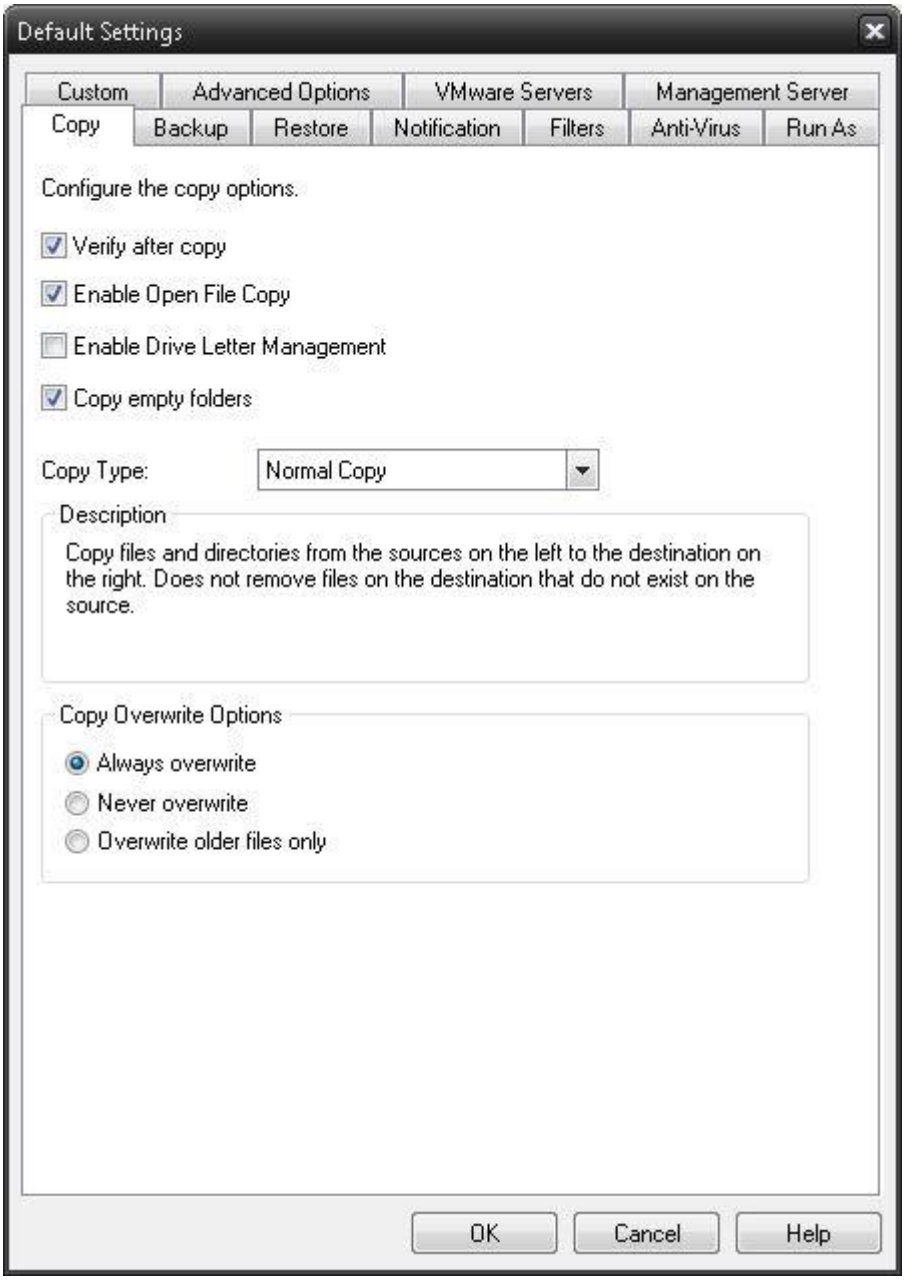


Once you select the program options window, you will see ten tabs, each with different group of configuration settings. Each of these tabs and their available options are discussed in the following sections. After configuring the options, be sure to press the "OK" button at the bottom of the options window to confirm and apply the new settings. If you do not want to save these changes, simply press the "Cancel" button to return to Steelgate without saving the new settings.

Note: *The settings defined from in Global Settings are overridden by settings defined from the individual task settings.*

Default Settings Tabs

Copy Tab



Verify after copy

The files that are copied will be verified to make sure that they were written correctly. Selecting this option will increase copy time. This setting is selected by default.

It is highly recommended to select the option to verify your data after a copy job. This helps to ensure that the copied data matches the data presently on your system. If you do not select this option, and there is an error in some of your copied data, you will not be aware of the errors until you go to access the copied data.

Enable Open File Copy
Select this option to have Steelgate automatically copy open files on the local system using Volume Snapshot Service (VSS).
Note: This option NOT available when running on Windows 2000.

Enable Drive Letter Management
Select this option to have Steelgate automatically select the correct removable disk device (USB) even when it's drive letter changes.

Copy empty Folders
Select this option to copy empty folders.

Copy Type

"Copy"
Copy files and directories from the source(s) on the left to the destination or the right. Does not remove files on the destination that DO NOT exist on the source.

"Mirror"
Mirror files and directories from the source(s) on the left to the destination or the right. REMOVES files on the destination that DO NOT exist on the source.

"Bidirectional Copy"
Copy files and directories between the left and the right paths. Results in an identical set of files and folders on both sides: Files on one side, but not the other are copied.

Note: *Files that have been deleted from one path will NOT be deleted from the other.*

Copy Overwrite Options

Always Overwrite

Source file will always overwrite an existing file of the same name on the destination.

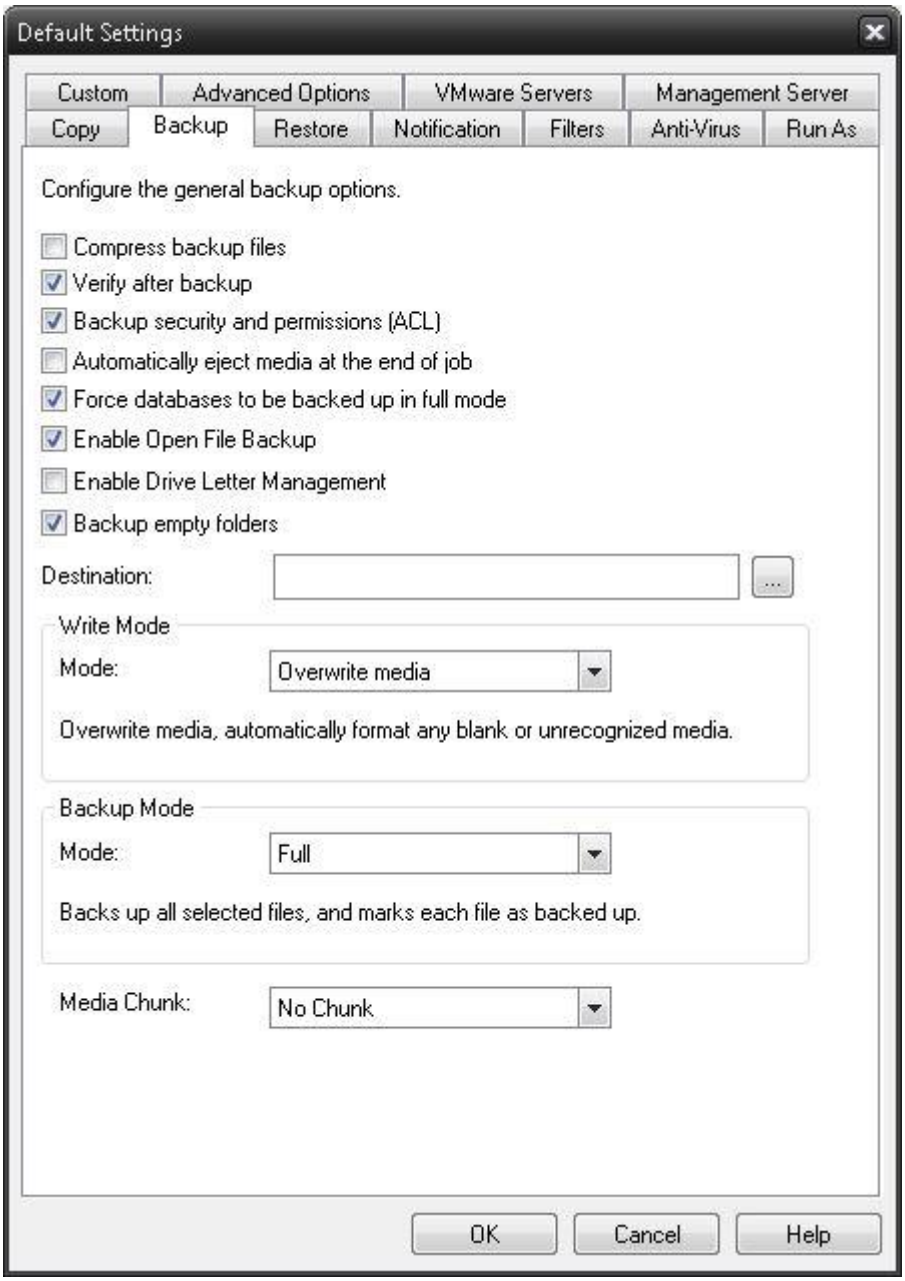
Never Overwrite

Source file will never overwrite an existing file of the same name on the destination.

Overwrite older files only

Source file will overwrite an existing file of the same name on the destination if the destination file is older.

Backup Tab



Compress backup files

The backup files are compressed to save space. Backup speed is decreased when this option is selected. This setting is unselected by default.

Verify after backup

The files that are backed up will be verified to make sure that they were written correctly. Selecting this option will increase backup time. This setting is selected by default.

It is highly recommended to select the option to verify your data after a backup. This helps to ensure that the backed up data matches the data presently on your system. If you do not select this option, and there is an error in some of your backed up data, there will be errors upon restoring that data if you should need to.

Backup ACL File Permissions

Select this option to backup Access Control Lists (ACL's) in addition to file data. ACL's contain file and system permissions. This option should be enabled to maintain system security.

Automatically Eject Media

Select this option to have Steelgate automatically eject the media after a backup has completed (device must support media eject)

Force database to be backed up in full mode

Regardless of the backup type, always backup the Steelgate database in full mode. This assures that it can be recovered quickly from a single backup rather than from multiple backups

Enable Open File Backup

Select this option to have Steelgate automatically backup open files on the local system using Volume Snapshot Service (VSS).

Note: This option is NOT available when running on Windows 2000.

Enable Drive Letter Management

Select this option to have Steelgate automatically select the correct removable disk device (USB) even when it's drive letter changes.

Backup empty folders

Select this option backup empty folders.

Destination

Select the default destination device a backup for all new backup jobs

Write Mode

Overwrite media:

Overwrite all recognized media. Automatically format blank or unrecognized media

Append to Media:

Append to recognized media. Automatically format blank or unrecognized media

Backup Mode

Full

Backs up all selected files, and marks each file as backed up. This is the default setting.

Incremental

Backs up (and marks as backed up) selected files that have either not been backed up previously or have changed.

Differential

Backs up selected files that have either not been backed up previously or have changed. These backed up files are not marked as backed up, however.

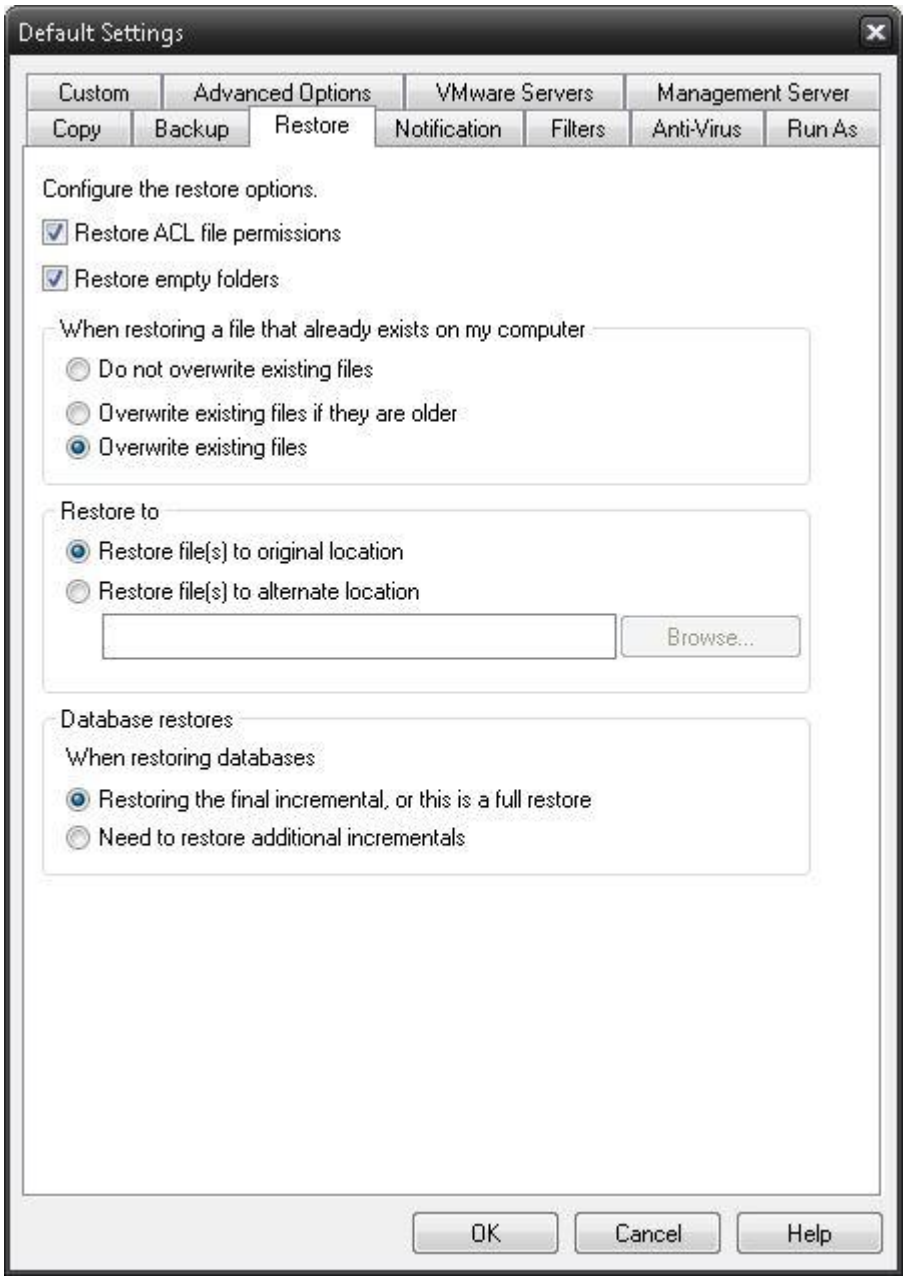
Snapshot

Backs up all selected files and does not mark any files as backed up.

Media Chunk

A chunk is a unit of backup data that is written to media. This value determines at what point the backup archive will be split into multiple files of the size selected. Note: This option does not apply to "tape" media.

Restore Tab



Restore ACL File Permissions

Select this option to restore security permissions on files and subdirectories. Note that the backup ACL's option must have been selected during the original backup for them to be restored.

Restore empty folders

Select this option to restore empty folders.

Existing Files Options

The recommended setting is to not overwrite a file if it already exists on your computer. Other choices include only overwriting the file if the existing file is older or always overwriting the file.

Do not overwrite existing files

Upon restoration, files that already exist on your computer will not be overwritten by files from the backup

Overwrite existing files if they are older

Upon restoration, if a file is found to exist on your computer already, it will only be overwritten if the file on your computer is older than the one found in the backup.

Overwrite existing files

Upon restoration, if a file is found to already exist on your computer, it will always be overwritten.

Restore File Placement

The default setting is to restore the file(s) to the original location they were backed up from.

Restore file to its original location

Upon restoration, all files will be restored to their original location.

Restore file(s) to an alternate location

Upon restoration, all files will be restored to an alternate location. This location can be specified by typing the path to the restoration directory in the text box or by selecting a directory by clicking on the "Browse" button that will appear to the left of the text box when the radio button is selected.

Database Restores

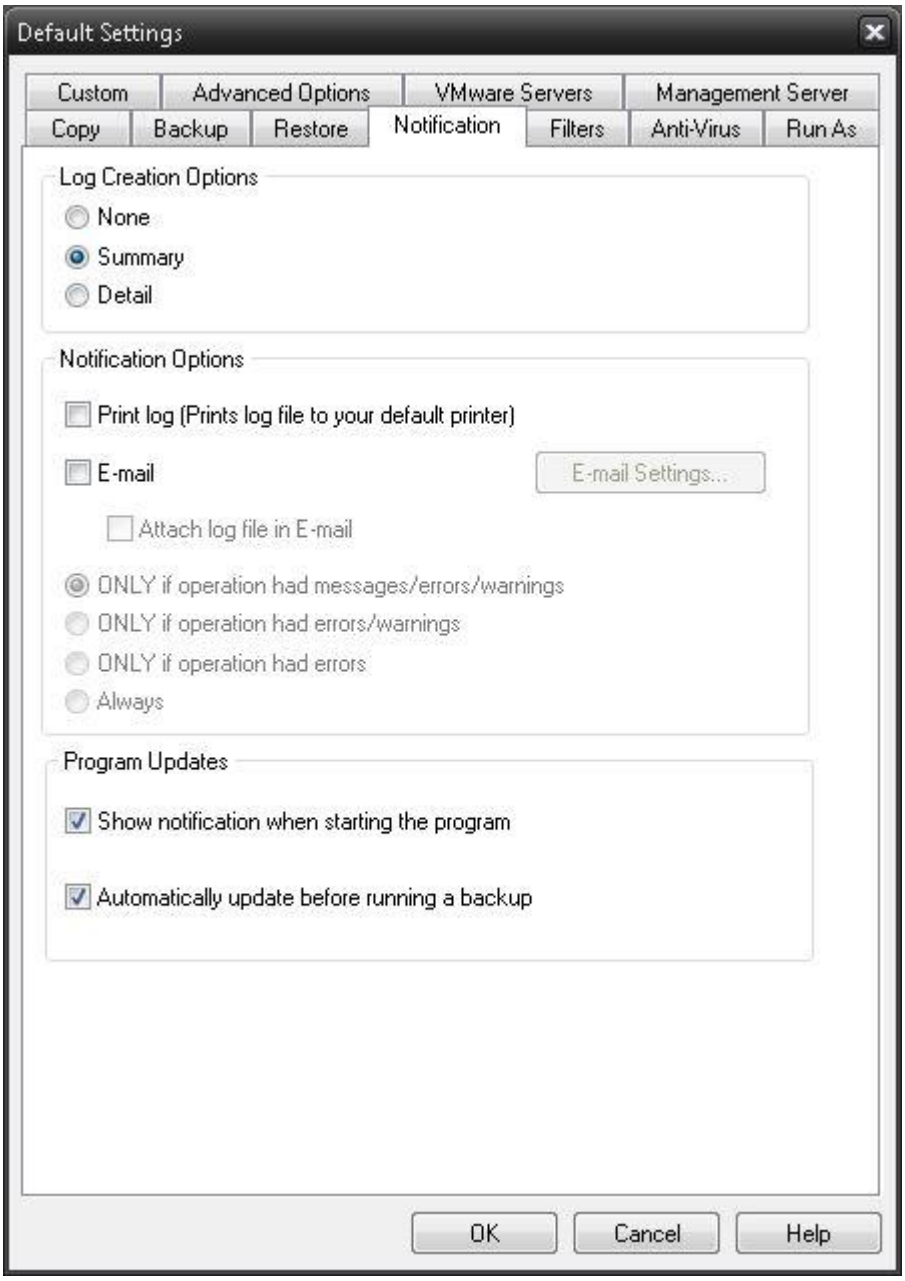
Restore the final incremental, or this is a full restore

When restoring the Steelgate database always perform a full restore

Restore file to its original location

When restoring the Steelgate database, always assume an incremental restore

Notification Tab



Log Creation Options

None

This will disable all logging for backup and restore.

Summary

This choice will result in a brief log file for the backup or restore. This includes file totals and times.

Detail

This choice allows Steelgate to provide a detailed backup or restore log for the operation. It will include information of each file that is backed up or restored during the process.

Notification Options

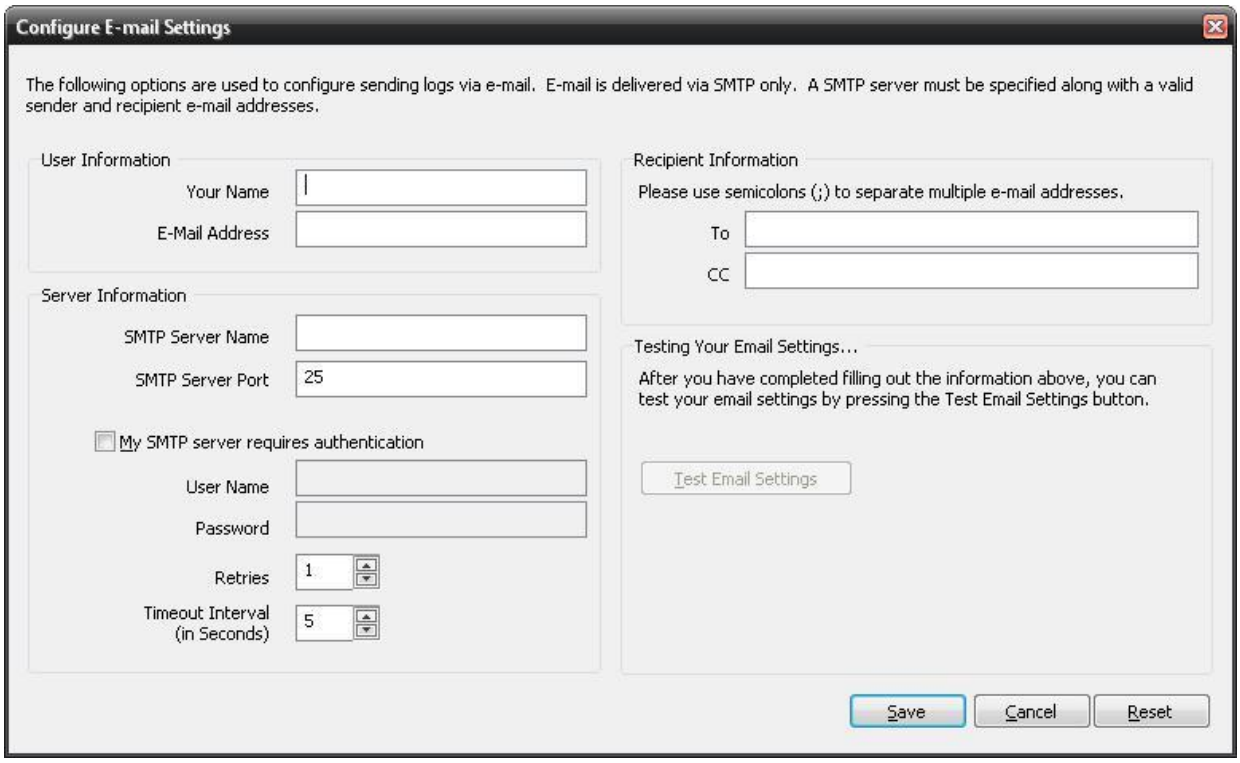
E-mail

Use this option to receive job notification in E-mail.

You have the option to allow the logs to be e-mailed to the specified email address. To utilize these settings you must first configure the e-mail options by clicking on the "E-Mail Settings" button.

E-mail Settings

Here, you will enter in the email settings required to communicate with your SMTP email server. The SMTP server information can be acquired from your System Administrator if you do not know it. You will also need to input two valid e-mail addresses for both the sender and the recipient. (These can be the same e-mail address.) If your SMTP server requires authentication, you may do so by tagging the checkbox for authentication and supplying your user name and password.


Configure E-mail Settings
The following options are used to configure sending logs via e-mail. E-mail is delivered via SMTP only. A SMTP server must be specified along with a valid sender and recipient e-mail addresses.
User Information
Your Name
E-Mail Address
Server Information
SMTP Server Name
SMTP Server Port
25
My SMTP server requires authentication
User Name
Password
Retries
1
Timeout Interval (in Seconds)
5
Recipient Information
Please use semicolons (;) to separate multiple e-mail addresses.
To
CC
Testing Your Email Settings...
After you have completed filling out the information above, you can test your email settings by pressing the Test Email Settings button.
Test Email Settings
Save
Cancel
Reset

Be sure to test your settings by clicking the "Test Email settings" button

Print Log

Here, you have the option to print the log automatically to your default printer.

Notification Conditions

- ONLY if operation had messages/errors/warnings
- ONLY if operation had errors/warnings
- ONLY if operation had errors
- Always

Program Updates

When a program update is available, display the option to install it when the program starts.

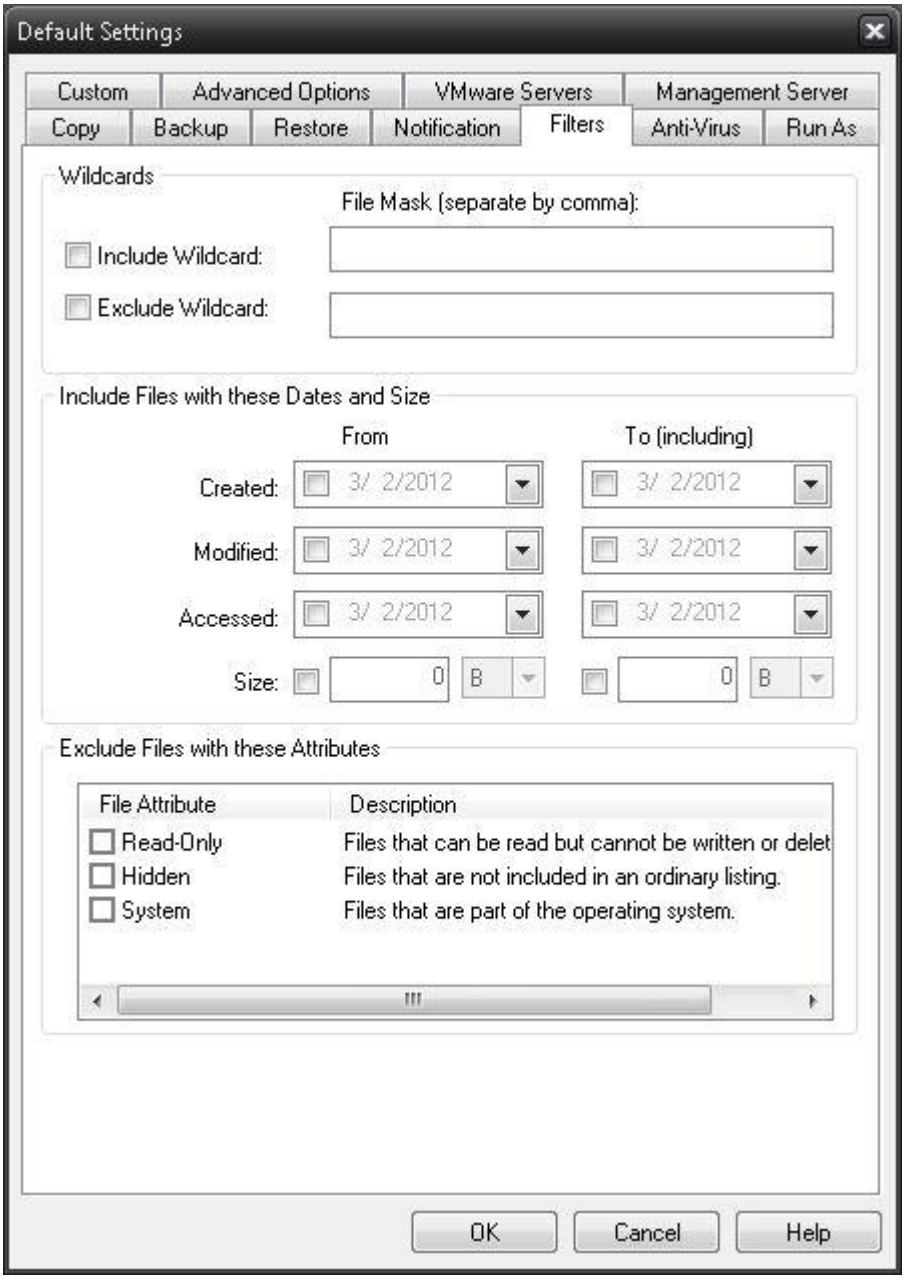
Show notification when starting the program

When a program update is available, display the option to install it when the program starts.

Automatically update before running a backup

When a program update is available, install it before starting the next backup.

Filters Tab



Wildcards

Include Wildcard: Enter all wildcards for files you want to include in the default job separated by a comma (example: *.doc,*.xls,*.dat).

Exclude Wildcard: Enter all wildcards for files you want to include in the default job separated by a comma (example: *.doc,*.xls,*.dat).

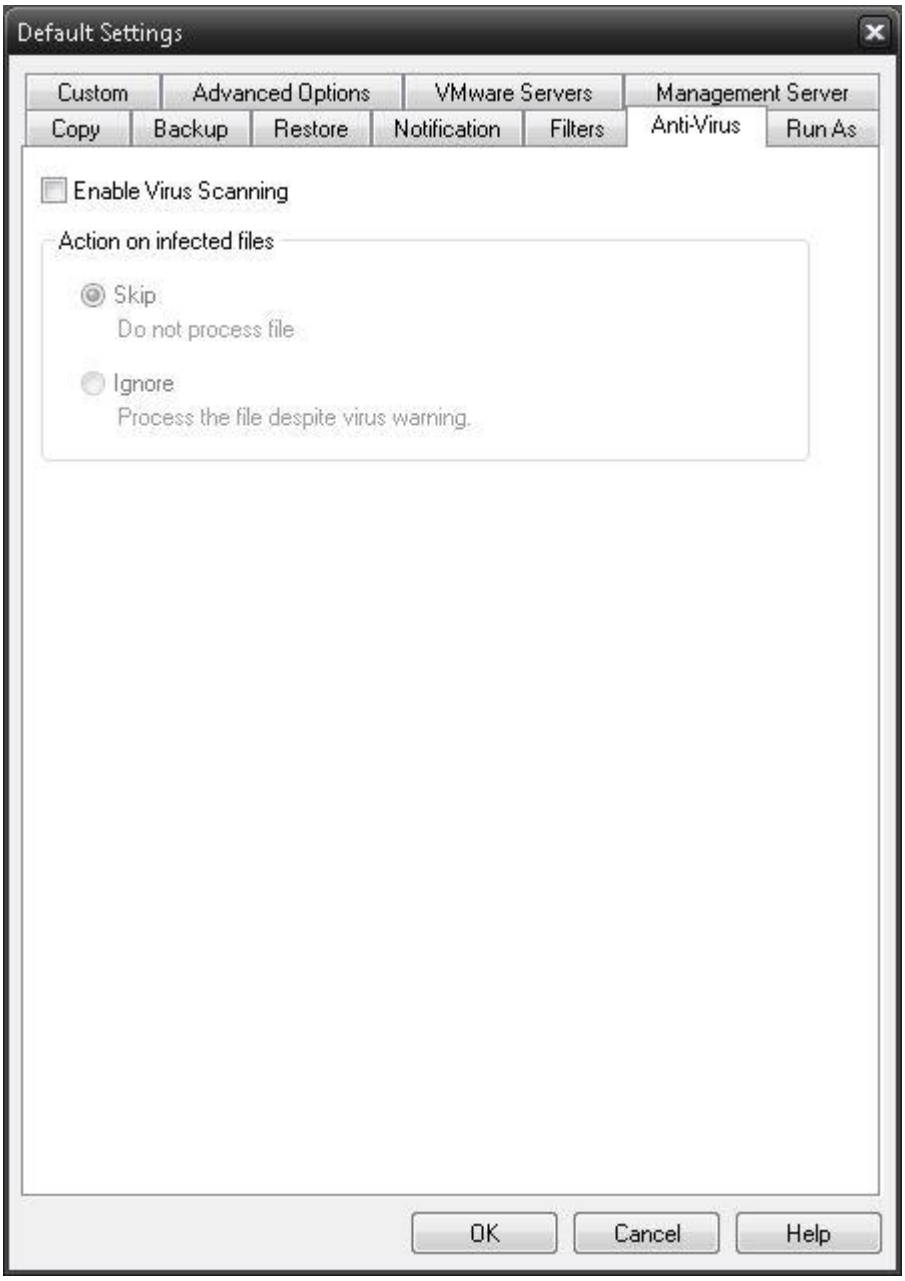
Include Files with these Dates and Size

Under this section, you can create and include a filter by selecting dates when files were last created, modified, or accessed, or by their file size that you wish to ensure to be included in your backup. This is helpful if you want to reduce the time or file size of a backup. You may want to exclude older files that are no longer accessed or larger files you have already backed up.

Exclude Files with these Attributes

Under this section, you can create and exclude a filter based on the file attributes: "Read Only", "Hidden" and "System". For example, if you would like to exclude System or Hidden files, check the appropriate box next to the attribute.

Anti-Virus Tab



Enable Virus Scanning

If this option is selected, Steelgate will scan and report files that could potentially contain viruses and cause problems to your system.

Note: To clean, quarantine or delete infected files, you will need a separate software program. If this option is enabled, an action for infected files needs to be selected.

Action on Infected Files

Skip- This option will *not* allow the files that have virus warnings to be backed up. This is the default selection.

Ignore- This option allows the files that have virus warnings to be backed up.

What are viruses? *Viruses are programs that run on your computer, without your consent or knowledge, with the sole intent of carrying out malicious behavior. At a minimum, they're annoying. In the worst cases, they destroy all your data and make your computer unusable.*

Run As Tab

When running a job, login using this account

Run as logged-in user:

Run the job using the Windows login credentials in effect at that time.

Run as a specific user:

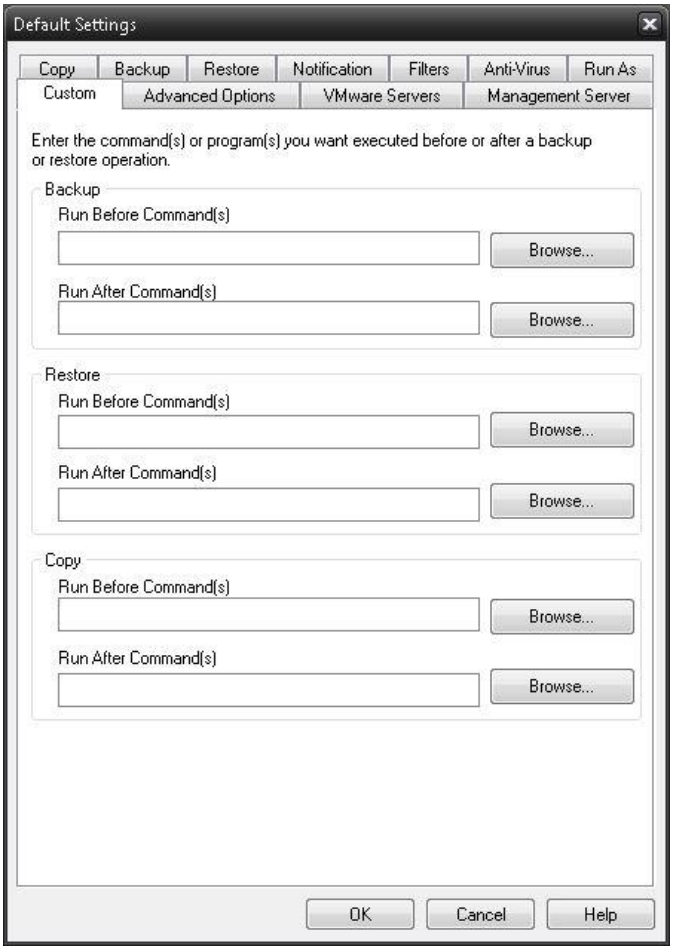
Run the job using the specified credentials.

Domain Name: The domain name you are logging into.
Run as User Name: The user name you want the job to run as.
Password: The password for the account you want the job to run as.

Note: The account information entered here is usually account you use to login to windows. However, you may need to use a different account when backing up network/shared drives.

Important: If you have entered credentials you must click the "Check Credentials" button to validate the account you have entered before proceeding forward.

Custom Tab

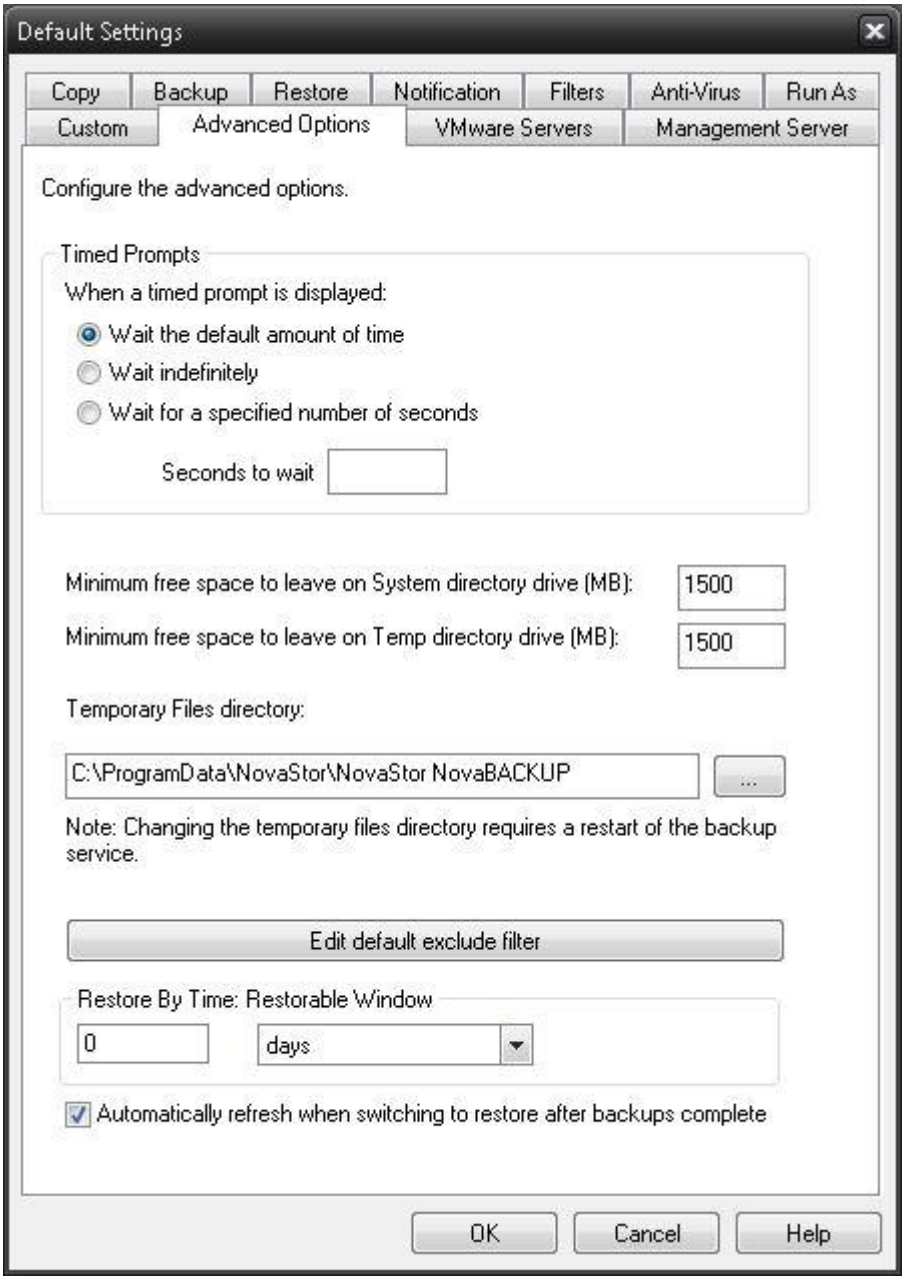


This feature enables a command to run before or after a backup, restore or copy job

To select which program or command you would like to run before or after those operations, simply browse to the program or command using the "Browse" button.

The benefits of this feature are numerous. For instance, one would be able to stop Antivirus scanning by issuing a command to their Anti-virus program prior to Steelgate beginning the backup. Alternatively, a command can be issued at the end of the backup to begin an anti-virus scan. Also one could issue a command to close a database at the beginning of a backup and reopen it at the end of a backup

Advanced Options Tab



Timed Prompts

When prompts or dialogs are displayed, select the action you want performed.

This option is useful in allowing fully unattended operation or permitting the administrator to respond to specific issues or requests.

"Minimum Free Space" settings

This values represent the minimum amount of free disk space that must be available on the System (OS) and Temp drive (if different) in order for jobs to run.

"Temporary files directory"

Directory used to stage working files used by Steelgate. If your system is running low on space, you can move this directory to another drive.

"Edit default exclude filter"

Select this option to add or edit folders, files or file types that should be excluded from jobs regardless of selection.

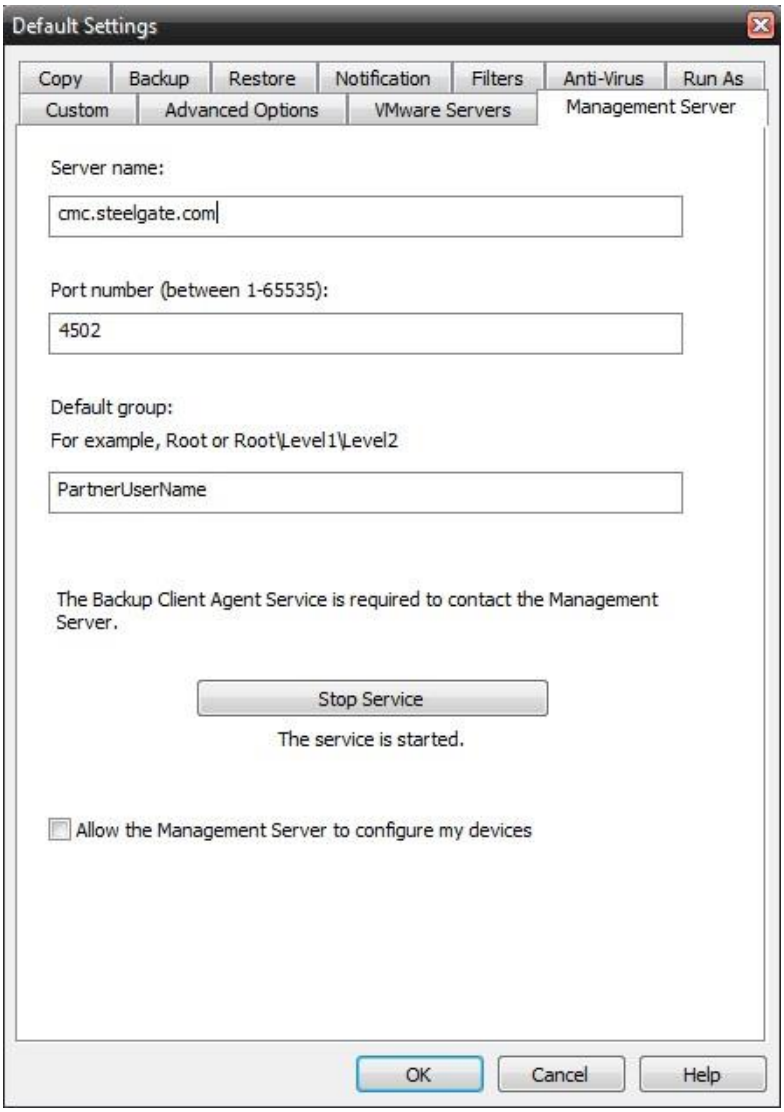
"Restore By Time: Restorable Widow"

Use this option to restrict the time range in effect for the Restore Files By Time view. A setting of zero will have no effect. Otherwise the value set here will define the time in effect from the current time selected moving back in time. This setting has no effect in the Restore Files By Device view.

"Automatically refresh when switching to restore after backups complete"

Use this option to make the Restore By Time view automatically build a new file list when switching to the restore view after a backup has completed.

Management Server Tab



For those installations accessible from a central management console, this screen may be used to specify the server name and port to access the management server.

Default Group

Use this setting to specify the group name to use when adding this client to the central management console. If this setting is not specified, this client will be added to the default group.

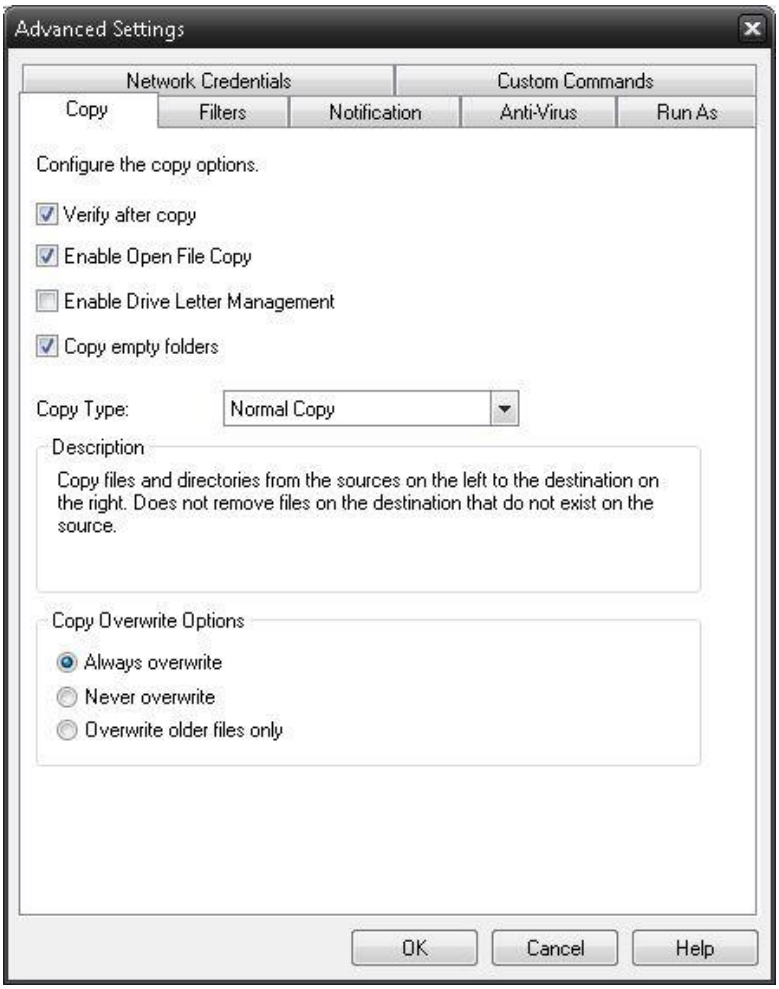
VMware Servers Tab

For those licensed to use the VMware Plugin, this tab is used to add a new connection to an ESX(i) or vSphere server.

Job Settings

Copy Job Settings

Copy Job Options



Verify after copy

The files that are copied will be verified to make sure that they were written correctly. Selecting this option will increase copy time. This setting is selected by default.

It is highly recommended to select the option to verify your data after a copy job. This helps to ensure that the copied data matches the data presently on your system. If you do not select this option, and there is an error in some of your copied data, you will not be aware of the errors until you go to access the copied data.

Enable Open File Copy
Select this option to have Steelgate automatically copy open files on the local system using Volume Snapshot Service (VSS).
Note: This option NOT available when running on Windows 2000.

Enable Drive Letter Management
Select this option to have Steelgate automatically select the correct removable disk device (USB) even when its drive letter changes.

Copy empty folders
Select this option to copy empty folders.

Copy Type

"Copy"
Copy files and directories from the source(s) on the left to the destination or the right. Does not remove files on the destination that DO NOT exist on the source.

"Mirror"
Mirror files and directories from the source(s) on the left to the destination or the right. REMOVES files on the destination that DO NOT exist on the source.

"Bidirectional Copy"
Copy files and directories between the left and the right paths. Results in an identical set of files and folders on both sides: Files on one side, but not the other are copied.

Note: *Files that have been deleted from one path will NOT be deleted from the other.*

Copy Overwrite Options

Always Overwrite

Source file will always overwrite an existing file of the same name on the destination.

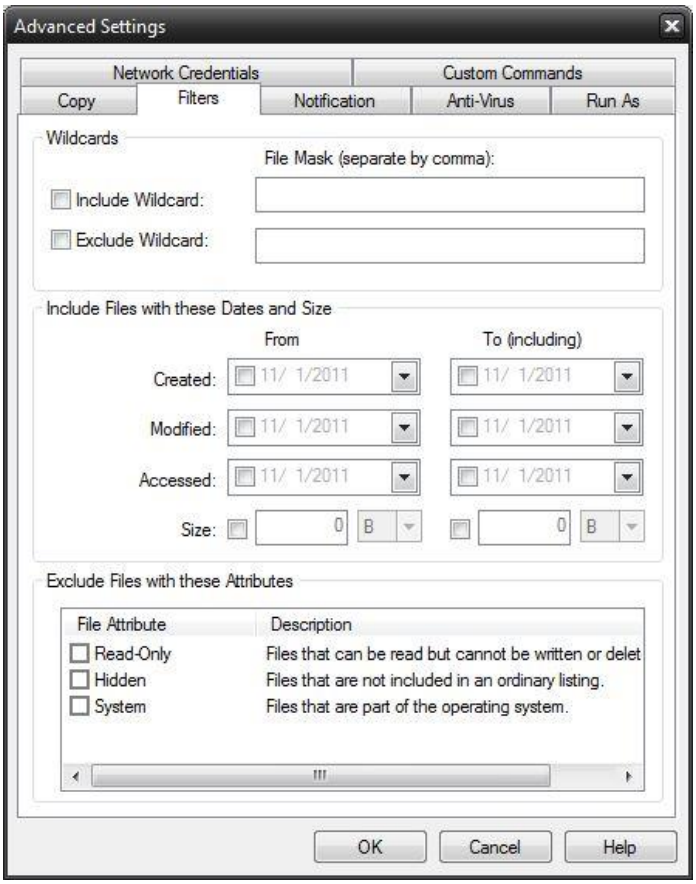
Never Overwrite

Source file will never overwrite an existing file of the same name on the destination.

Overwrite older files only

Source file will overwrite an existing file of the same name on the destination if the destination file is older.

Copy Job Filters



Wildcards

Include Wildcard: Enter all wildcards for files you want to include in the default job separated by a comma (example: *.doc,*.xls,*.dat).

Exclude Wildcard: Enter all wildcards for files you want to include in the default job separated by a comma (example: *.doc,*.xls,*.dat).

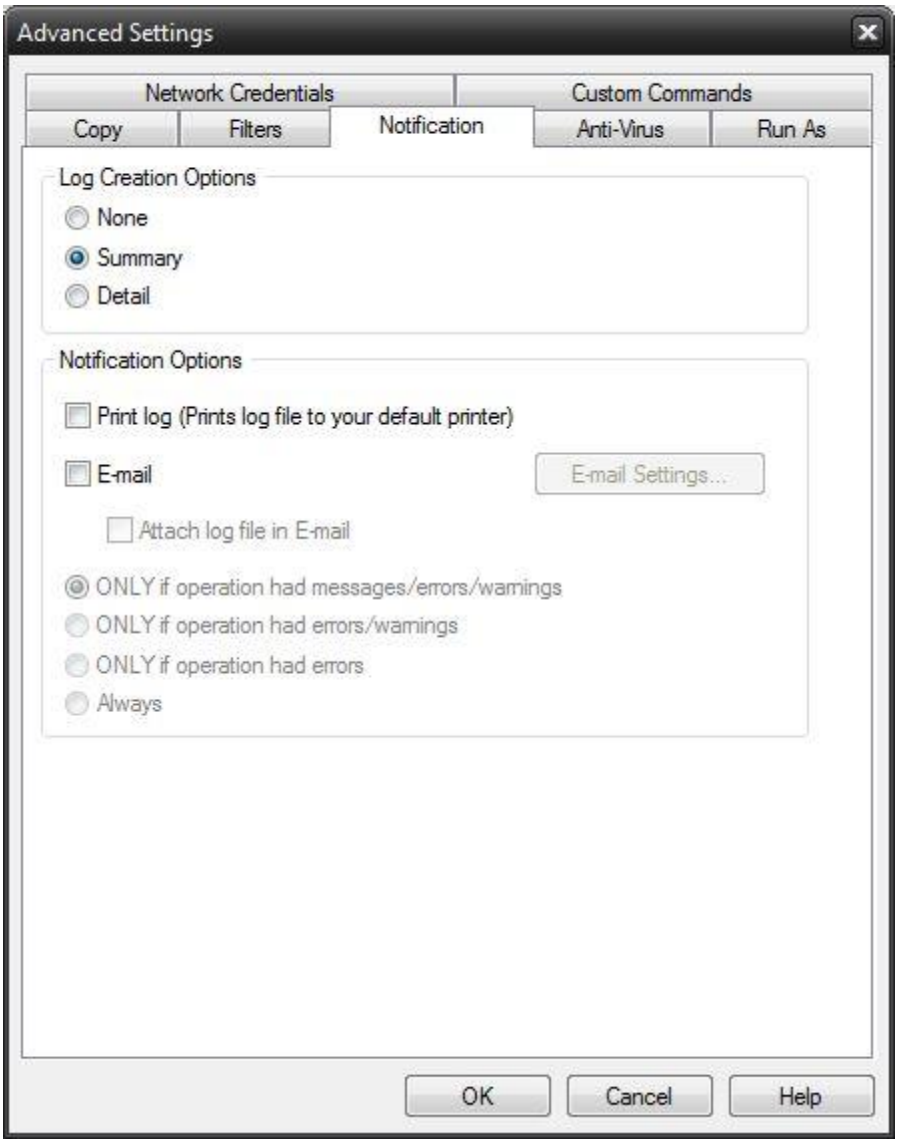
Include Files with these Dates and Size

Under this section, you can create an include filter by selecting dates that files were last created, modified, or accessed or by their file size that you wish to ensure are included in your backup. This is helpful if you want to reduce the time or file size of a backup. You may want to exclude older files that are no longer accessed or larger files you have already backed up.

Exclude Files with these Attributes

Under this section, you can create and exclude a filter based on the file attributes: "Read Only", "Hidden" and "System". For example, if you would like to exclude System or Hidden files, check the appropriate box next to the attribute.

Copy Job Notification



Log Creation Options

None

This will disable all logging for backup and restore.

Summary

This choice will result in a brief log file for the backup or restore. This includes file totals and times.

Detail

This choice allows Steelgate to provide a detailed backup or restore log for the operation. It will include information of each file that is backed up or restored during the process.

Notification Options

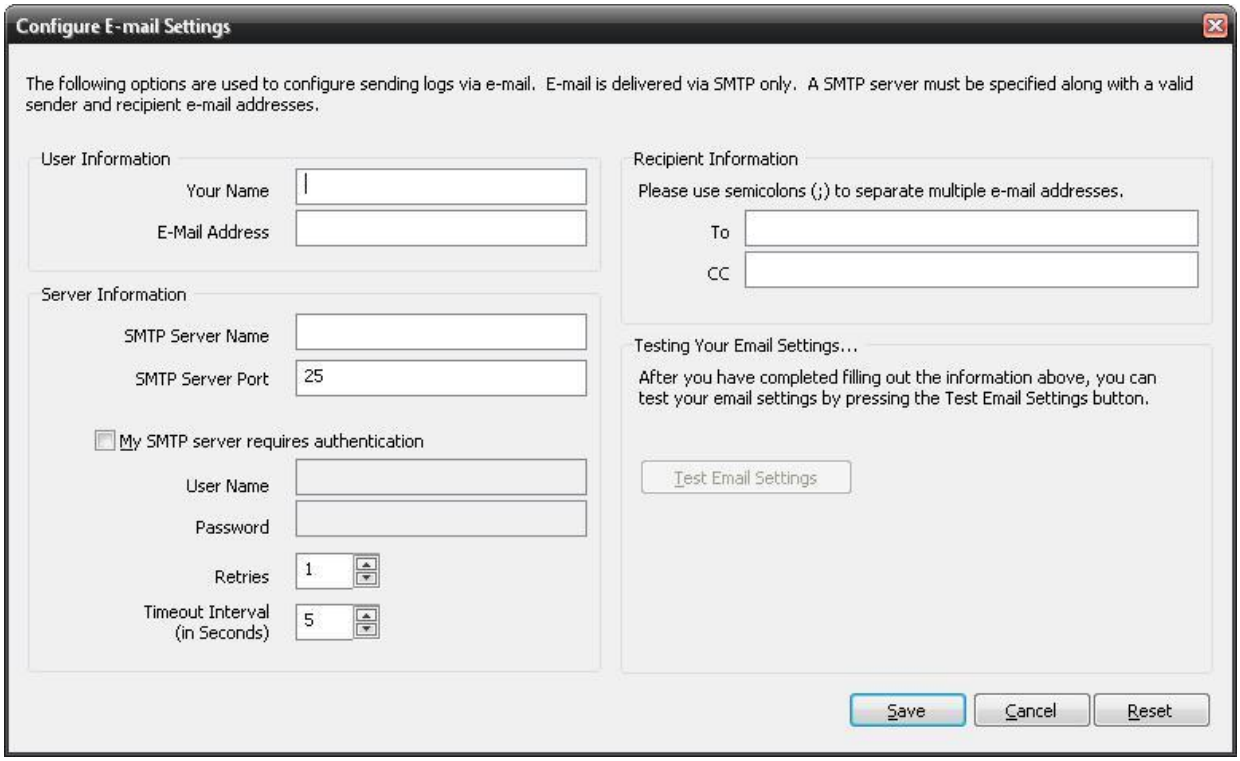
E-mail

Use this option to receive job notification in E-mail.

You have the option to allow the logs to be e-mailed to the specified email address. To utilize these settings you must first configure the e-mail options by clicking on the "E-Mail Settings" button.

E-mail Settings

Here, you will enter in the email settings required to communicate with your SMTP email server. The SMTP server information can be acquired from your System Administrator if you do not know it. You will also need to input two valid e-mail addresses for both the sender and the recipient. (These can be the same e-mail address.) If your SMTP server requires authentication, you may do so by tagging the checkbox for authentication and supplying your user name and password.


Configure E-mail Settings
The following options are used to configure sending logs via e-mail. E-mail is delivered via SMTP only. A SMTP server must be specified along with a valid sender and recipient e-mail addresses.
User Information
Your Name
E-Mail Address
Server Information
SMTP Server Name
SMTP Server Port
25
My SMTP server requires authentication
User Name
Password
Retries
1
Timeout Interval (in Seconds)
5
Recipient Information
Please use semicolons (;) to separate multiple e-mail addresses.
To
CC
Testing Your Email Settings...
After you have completed filling out the information above, you can test your email settings by pressing the Test Email Settings button.
Test Email Settings
Save
Cancel
Reset

Be sure to test your settings by clicking the "Test Email settings" button.

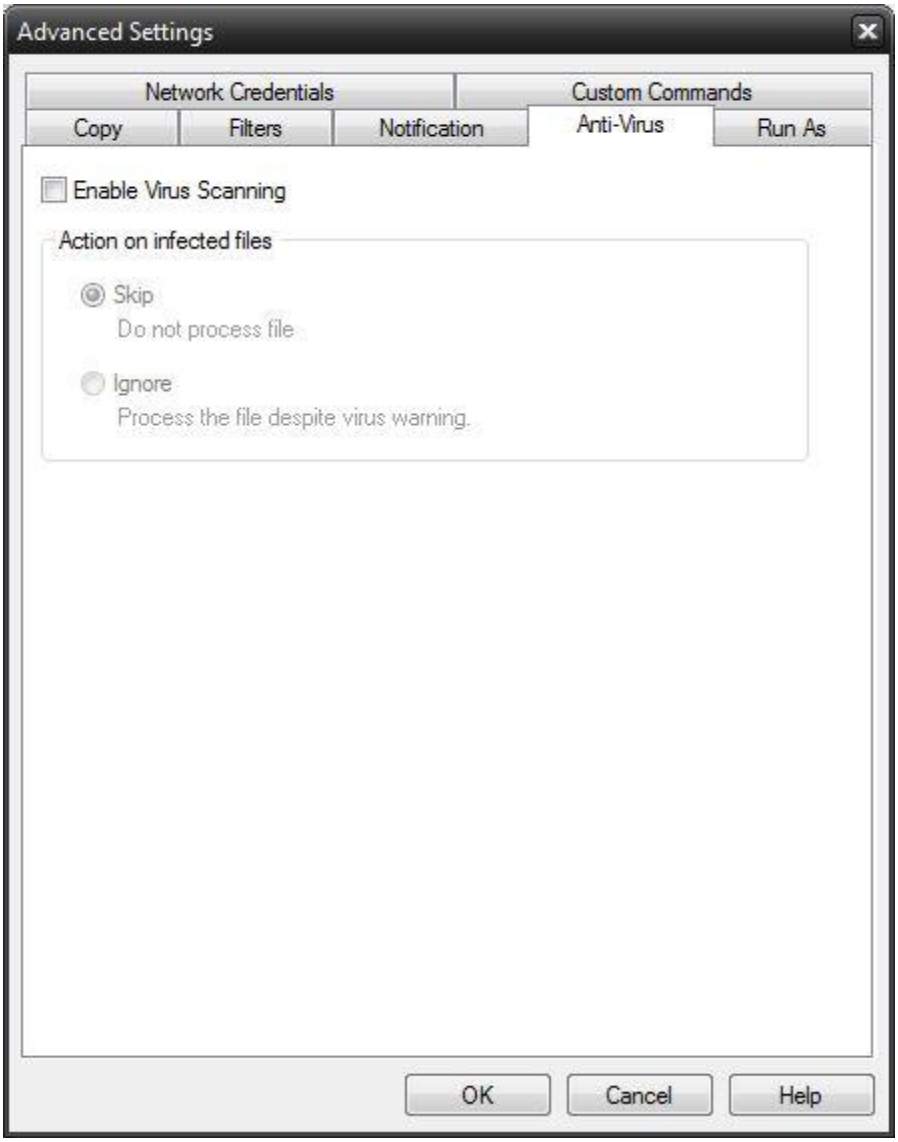
Print Log

Here, you have the option to print the log automatically to your default printer.

Notification Conditions:

- ONLY if operation had messages/errors/warnings
- ONLY if operation had errors/warnings
- ONLY if operation had errors
- Always

Copy Job Anti-Virus



Enable Virus Scanning

If this option is selected, Steelgate will scan and report files that could potentially contain viruses and cause problems to your system.

Note: To clean, quarantine or deleting infected files, you will need a separate software program. If this option is enabled, an action for infected files needs to be selected.

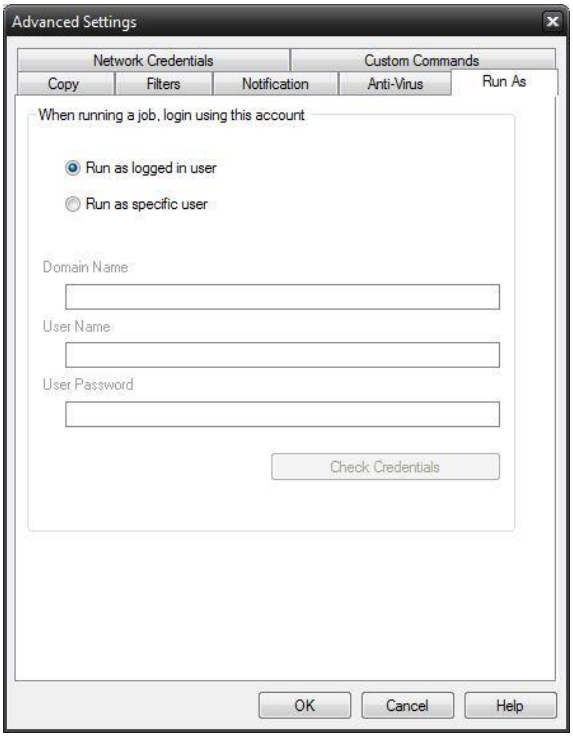
Action on Infected Files

Skip - This option will *not* allow the files that have virus warnings to be backed up. This is the default selection.

Ignore - This option allows the files that have virus warnings to be backed up.

What are viruses? *Viruses are programs that run on your computer, without your consent or knowledge, with the sole intent of carrying out malicious behavior. At a minimum, they're annoying. In the worst cases, they destroy all your data and make your computer unusable.*

Copy Job Run As



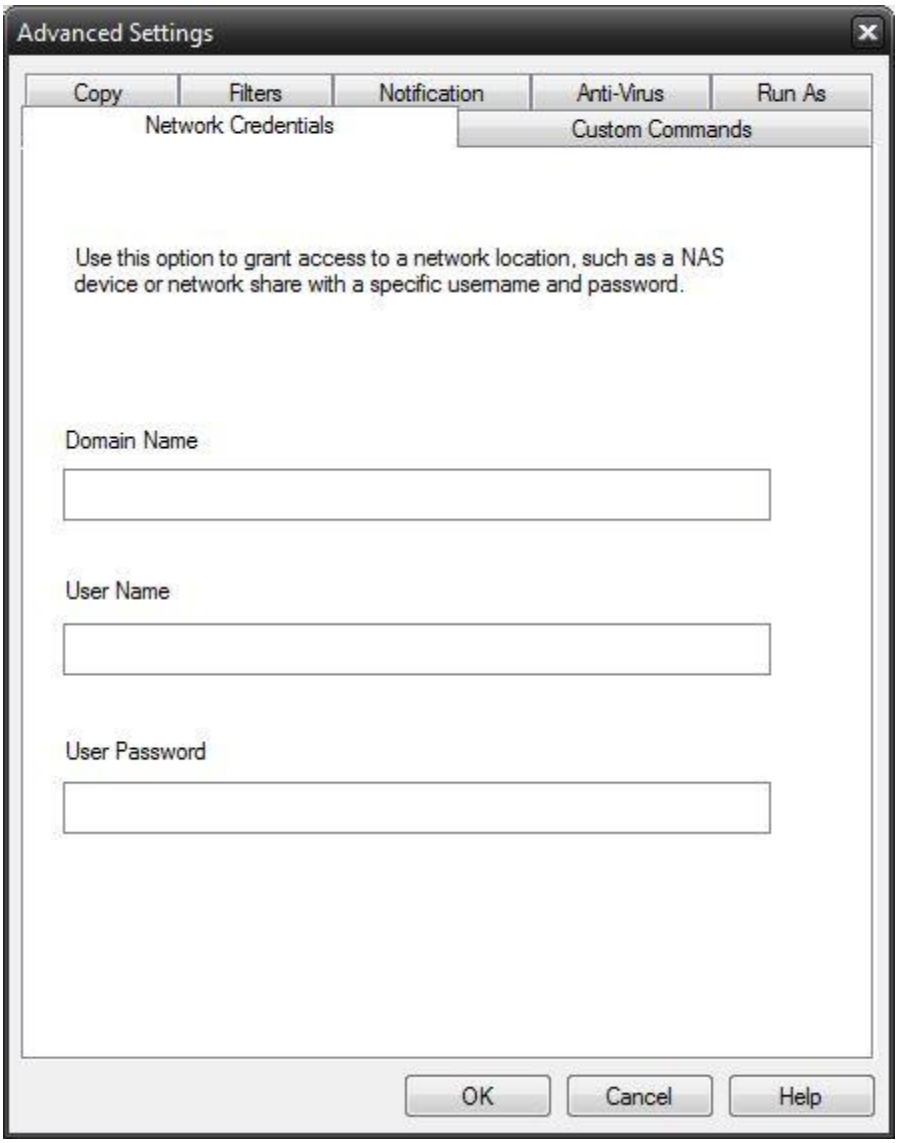
When running a job, login using this account:

Run as logged-in user:
Run the job using the Windows login credentials in effect at that time.
Run as a specific user:
Run the job using the specified credentials.
Domain Name: The domain name you are logging into.
Run as User Name: The user name you want the job to run as.
Password: The password for the account you want the job to run as.

Note: The account information entered here is usually an account you use to login to Windows. However, you may need to use a different account when backing up network/shared drives.

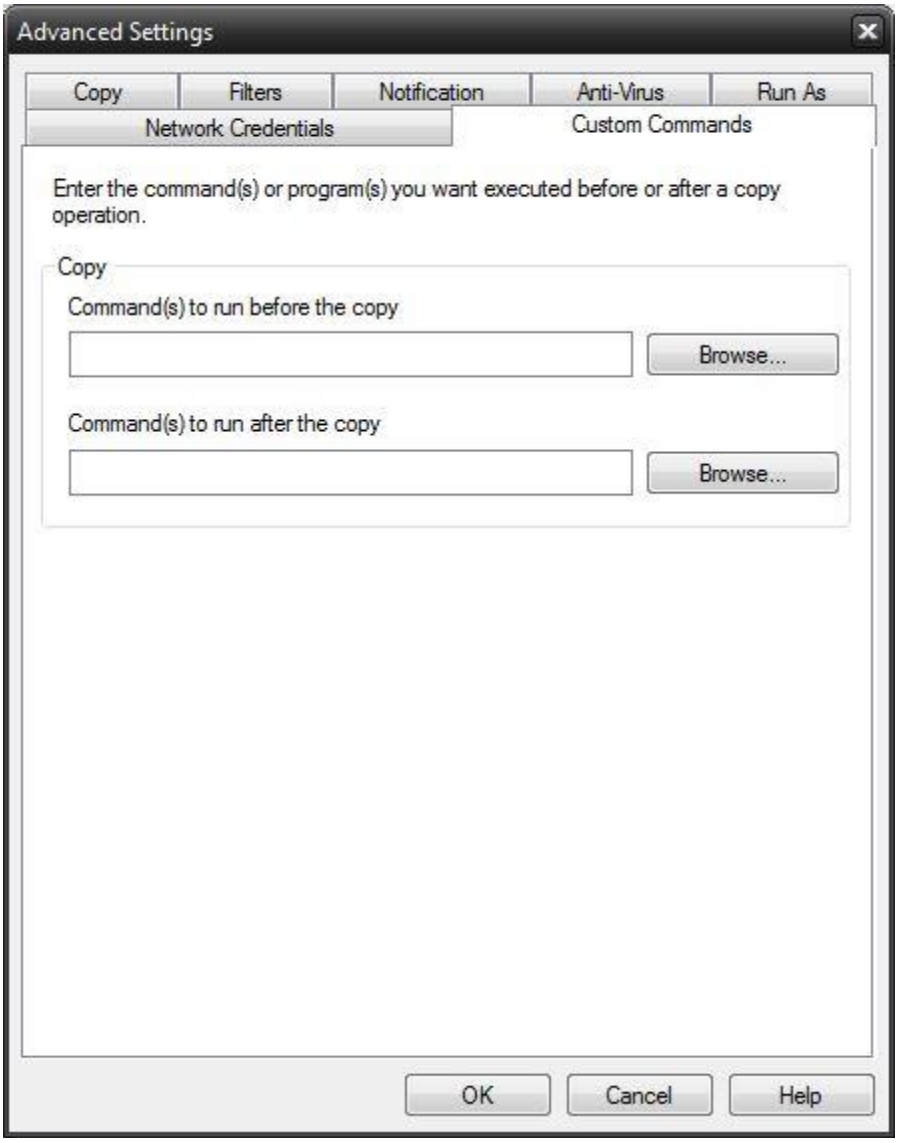
Important: If you have entered credentials you must click the "Check Credentials" button to validate the account you have entered before proceeding forward.

Copy Job Network Credentials



This option may be used to access devices on the network which require different credentials than the defaults. You may use different credentials for this purpose than those set in the "Run As" Tab.

Copy Job Custom Commands



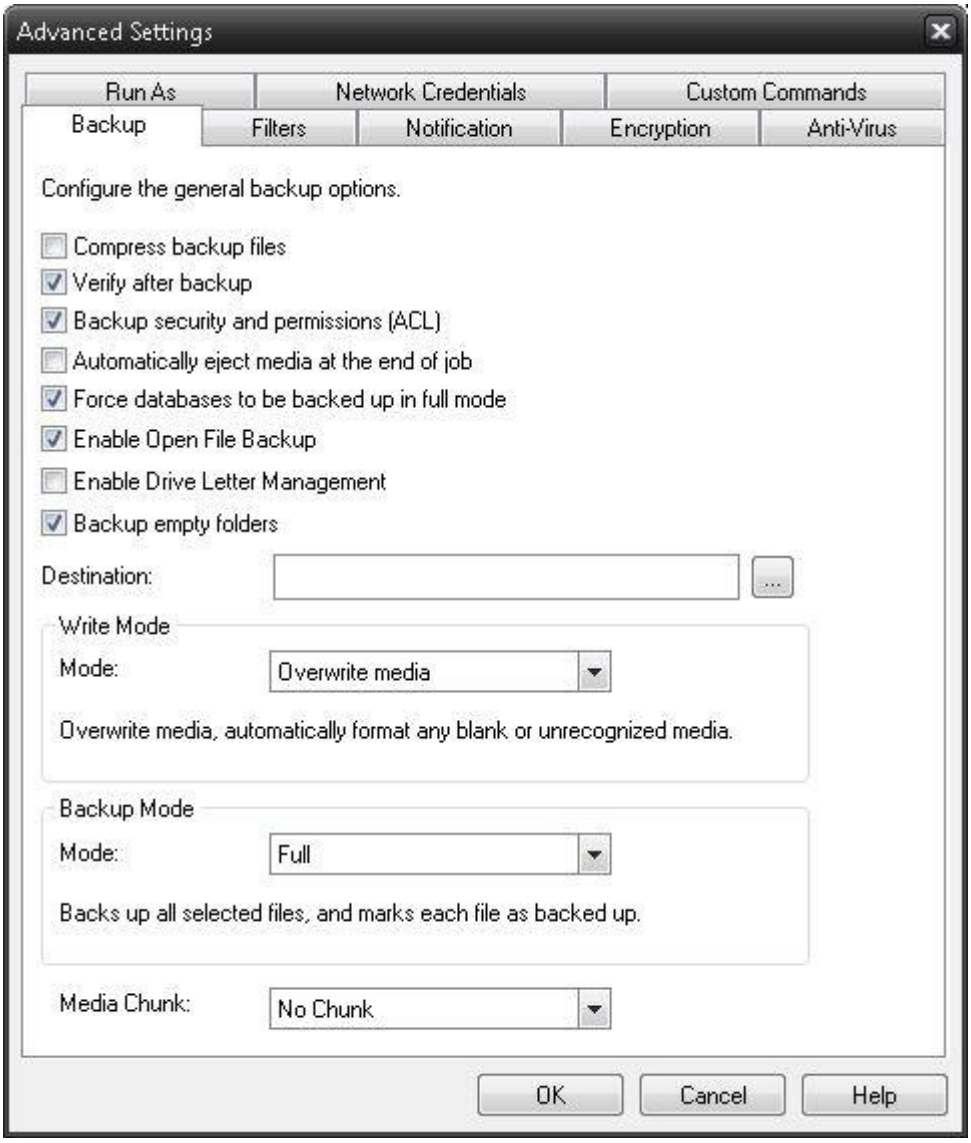
This feature enables a command to run before or after a copy job.

To select which program or command you would like to run before or after the copy operation, simply browse to the program or command using the "Browse" button.

The benefits of this feature are numerous. For instance, one would be able to stop Antivirus scanning by issuing a command to their Anti-virus program prior to Steelgate beginning the copy job. Alternatively, a command can be issued at the end of the job to begin an anti-virus scan. Also one could issue a command to close a database at the beginning of a job and reopen it at the end of a job.

Backup Job Settings

Backup Job Options



Compress backup files

The backup files are compressed to save space. Backup speed is decreased when this option is selected. This setting is unselected by default.

Verify after backup

The files that are backed up will be verified to make sure that they were written correctly. Selecting this option will increase backup time. This setting is selected by default.

It is highly recommended to select the option to verify your data after a backup. This helps to ensure that the backed up data matches the data presently on your system. If you do not select this option, and there is an error in some of your backed up data, there will be errors upon restoring that data if you should need to.

Backup ACL File Permissions
Select this option to backup Access Control Lists (ACL's) in addition to file data. ACL's contain file and system permissions. This option should be enabled to maintain system security.

Automatically Eject Media. . .
Select this option to have Steelgate automatically eject the media after a backup has completed (device must support media eject)

Force database to be backed up in full mode
Regardless of the backup type, always backup the Steelgate database in full mode. This assures that it can be recovered quickly from a single backup rather than from multiple backups

Enable Open File Backup

Select this option to have Steelgate automatically backup open files on the local system using Volume Snapshot Service (VSS).

Note: This option is NOT available when running on Windows 2000.

Enable Drive Letter Management
Select this option to have Steelgate automatically select the correct removable disk device (USB) even when it's drive letter changes.

Backup empty folders
Select this option to have backup empty folders.

Destination

Select the default destination device a backup for all new backup jobs

Write Mode

Overwrite media:

Overwrite all recognized media. Automatically format blank or unrecognized media

Append to Media:

Append to recognized media. Automatically format blank or unrecognized media

Backup Mode

Full

Backs up all selected files, and marks each file as backed up. This is the default setting.

Incremental

Backs up (and marks as backed up) selected files that have either not been backed up previously or have changed.

Differential

Backs up selected files that have either not been backed up previously or have changed. These backed up files are not marked as backed up, however.

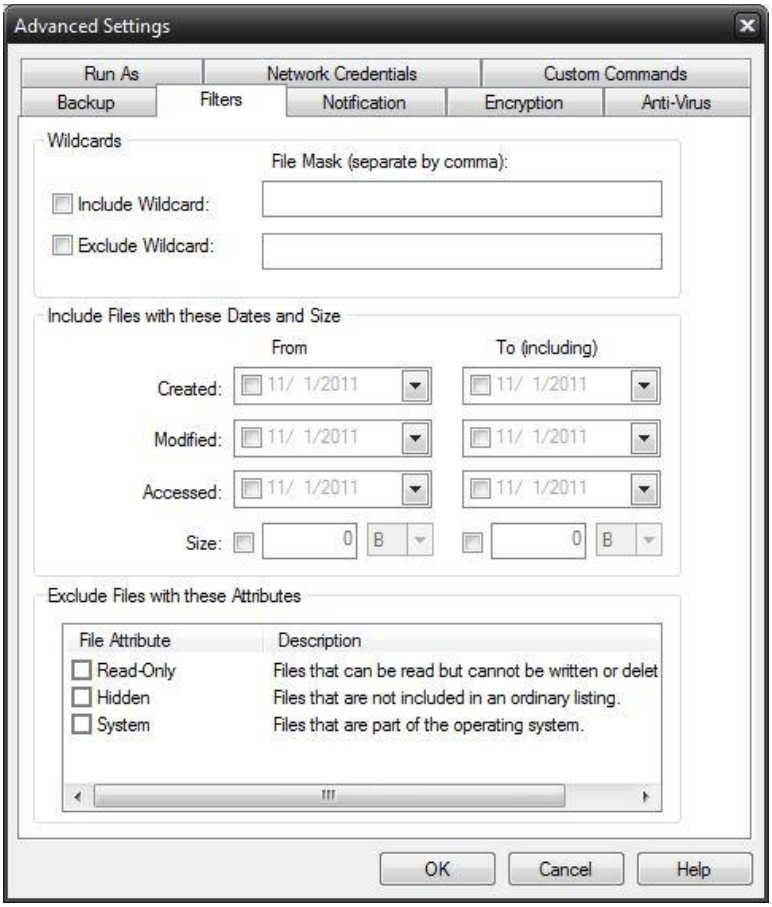
Snapshot

Backs up all selected files and does not mark any files as backed up.

Media Chunk

A chunk is a unit of backup data that is written to media. This value determines a what point the backup archive will be split into multiple files of the size selected. Note: This option does not apply to "tape" media.

Backup Job Filters



Wildcards

Include Wildcard: Enter all wildcards for files you want to include in the default job separated by a comma (example: *.doc,*.xls,*.dat)

Exclude Wildcard: Enter all wildcards for files you want to include in the default job separated by a comma (example: *.doc,*.xls,*.dat)

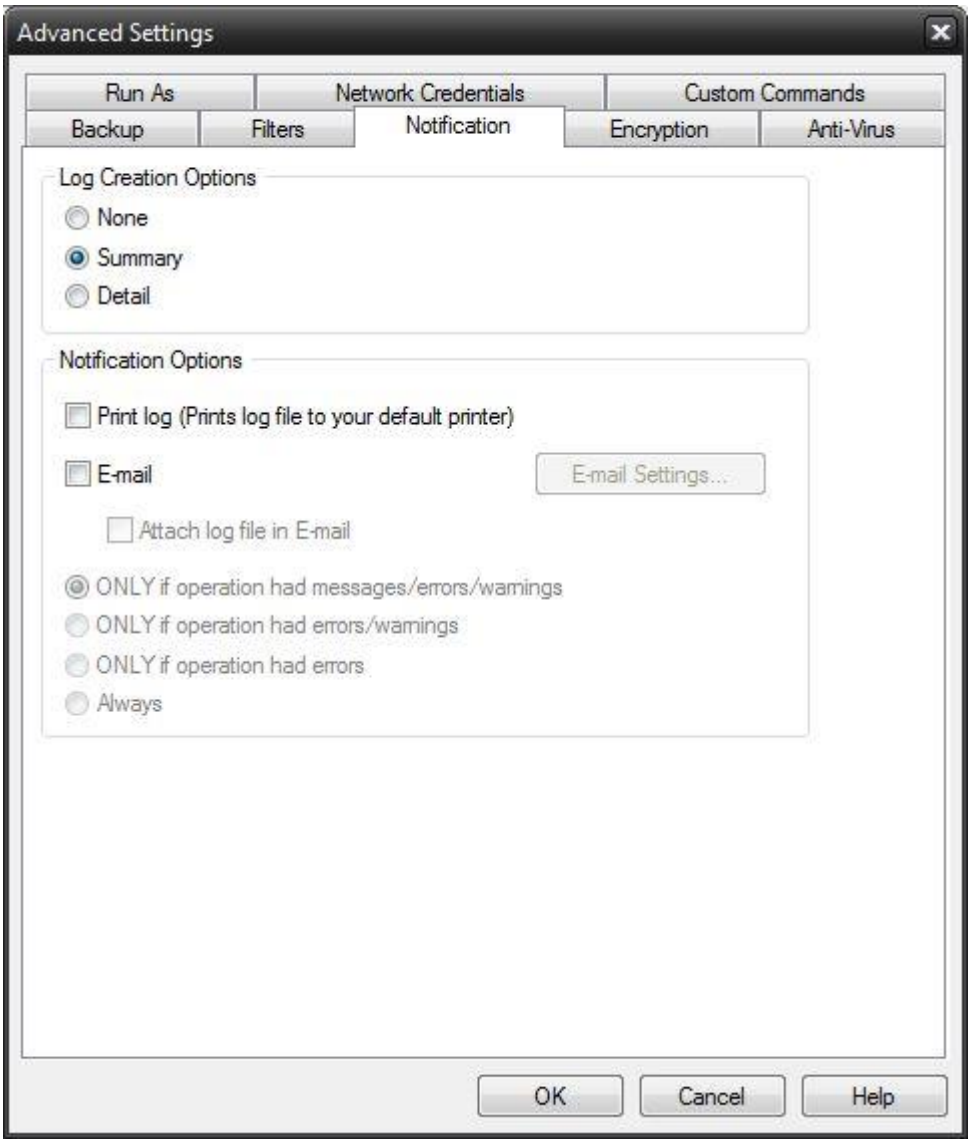
Include Files with these Dates and Size

Under this section, you can create an include filter by selecting dates that files were last created, modified, or accessed or by there file size that you wish to ensure are included in your backup. This is helpful if you want to reduce the time or file size of a backup. You may want to exclude older files that are no longer accessed or larger files you have already backed up..

Exclude Files with these Attributes

Under this section, you can create an exclude filter based on the file attributes: "Read Only", "Hidden" and "System". For example, if you would to exclude System or Hidden files, check the appropate box next to the attribute.

Backup Job Notifications



Log Creation Options

None

This will disable all logging for backup and restore.

Summary

This choice will result in a brief log file for the backup or restore. This includes file totals and times.

Detail

This choice allows Steelgate to provide a detailed backup or restore log for the operation. It will include a information of each file that is backed up or restored during the process.

Notification Options

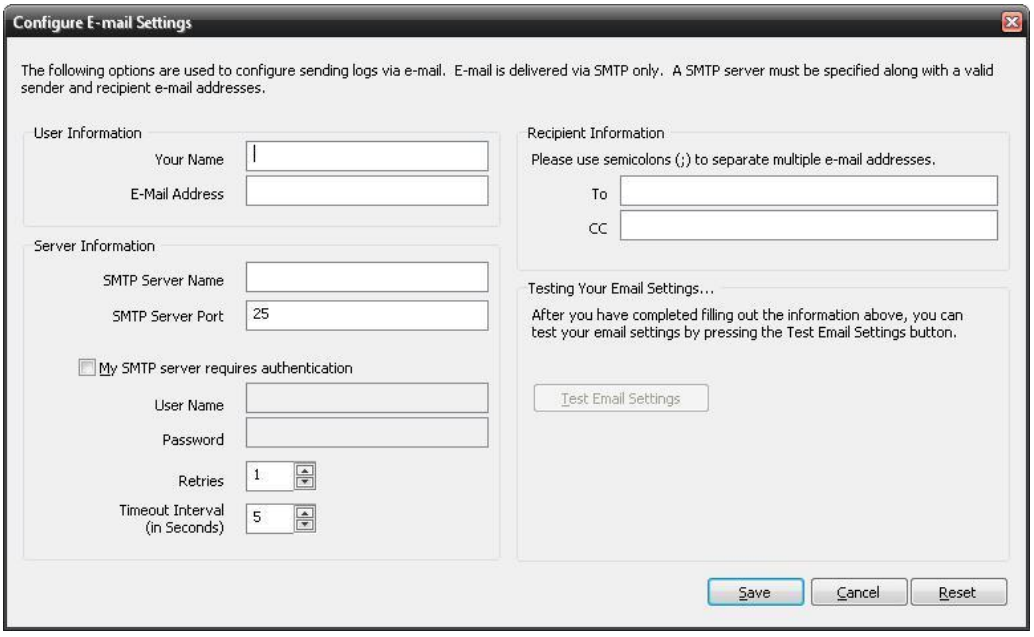
E-mail

Use this option to receive job notification in E-mail.

You have the option to allow the logs to be e-mailed to the specified email address. To utilize these settings you must first configure the e-mail options by clicking on the "E-Mail Settings" button.

E-mail Settings

Here, you will enter in the email settings required to communicate with your SMTP email server. The SMTP server information can be acquired from your System Administrator if you do not know it. You will also need to input two valid e-mail addresses for both the sender and the recipient. (These can be the same e-mail address.) If your SMTP server requires authentication, you may do so by tagging the checkbox for authentication and supplying your user name and password.


Configure E-mail Settings
The following options are used to configure sending logs via e-mail. E-mail is delivered via SMTP only. A SMTP server must be specified along with a valid sender and recipient e-mail addresses.
User Information
Your Name
E-Mail Address
Server Information
SMTP Server Name
SMTP Server Port
25
My SMTP server requires authentication
User Name
Password
Retries
1
Timeout Interval (in Seconds)
5
Recipient Information
Please use semicolons (;) to separate multiple e-mail addresses.
To
CC
Testing Your Email Settings...
After you have completed filling out the information above, you can test your email settings by pressing the Test Email Settings button.
Test Email Settings
Save
Cancel
Reset

Be sure to test your settings by clicking the "Test Email settings" button

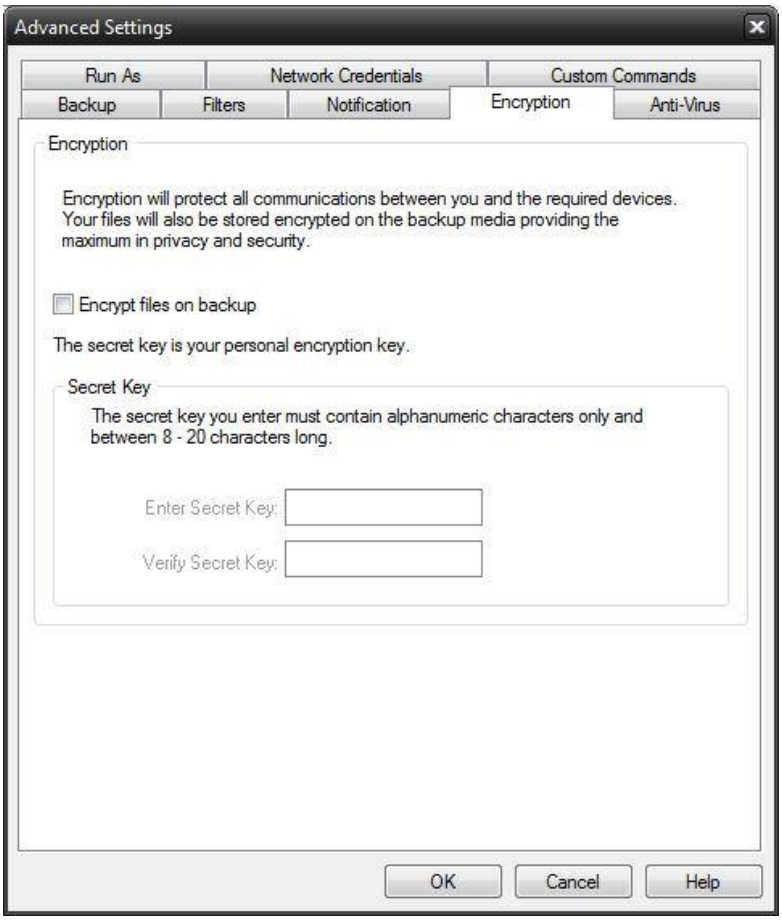
Print Log

Here, you have the option to print the log automatically to your default printer.

Notification Conditions

- ONLY if operation had messages/errors/warnings
- ONLY if operation had errors/warnings
- ONLY if operation had errors
- Always

Backup Job Encryption


Advanced Settings
Run As
Network Credentials
Custom Commands
Backup
Filters
Notification
Encryption
Anti-Virus
Encryption
Encryption will protect all communications between you and the required devices. Your files will also be stored encrypted on the backup media providing the maximum in privacy and security.
Encrypt files on backup
The secret key is your personal encryption key.
Secret Key
The secret key you enter must contain alphanumeric characters only and between 8 - 20 characters long.
Enter Secret Key:
Verify Secret Key:
OK
Cancel
Help

Encryption

Encrypt Files on backup

Encryption protects files as they are backed up to the selected device. In addition, files are maintained encrypted on the destination media for added security.

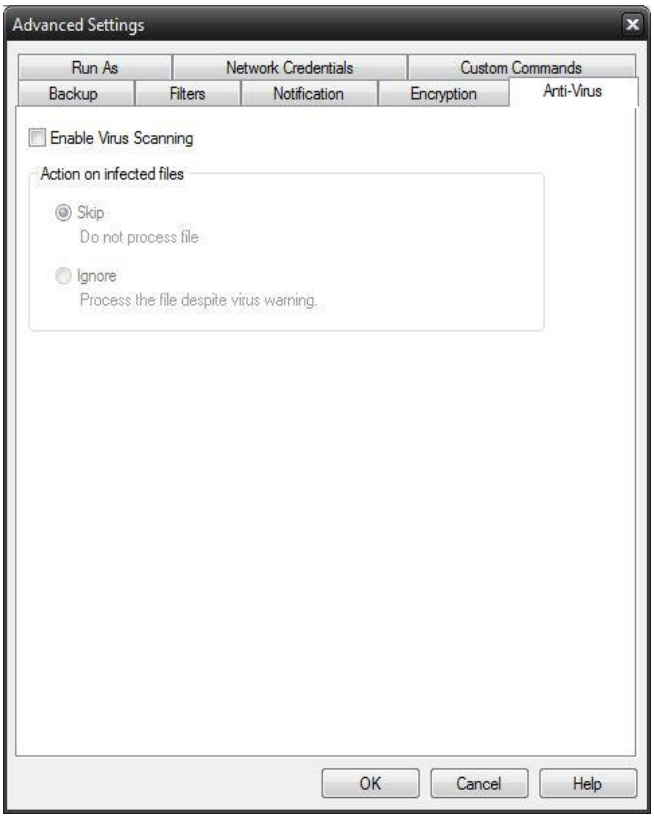
Secret Key

Encryption Key used for this particular backup job. Select a key containing from 8 to 20 characters

For added security, select a secret key that contains a combination of upper/lower case characters as well as numbers, punctuation and symbols.

Select a secret key that you will be able to remember. If you forgot your secret key, you will not be able to restore the data from the destination media.

Backup Job Anti-Virus



Enable Virus Scanning

If this option is selected, Steelgate will scan and report files that could potentially contain viruses and cause problems to your system.

Note: To clean, quarantine or deleting infected files, you will need a separate software program. If this option is enabled, an action for infected files needs to be selected.

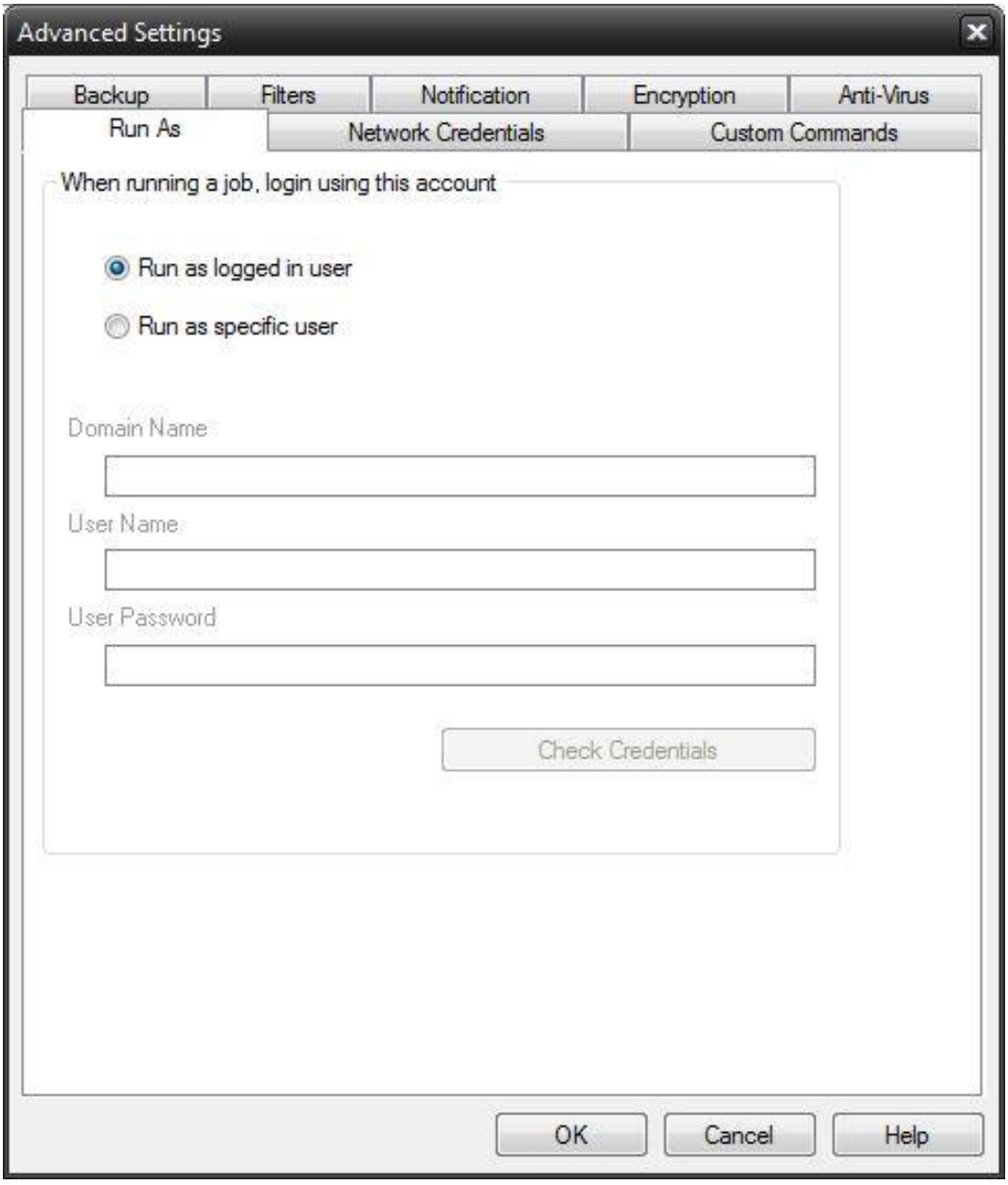
Action on Infected Files

Skip-This option will *not* allow the files that have virus warnings to be backed up. This is the default selection.

Ignore-This option allows the files that have virus warnings to be backed up.

What are viruses? *Viruses are programs that run on your computer, without your consent or knowledge, with the sole intent of carrying out malicious behavior. At a minimum, they're annoying. In the worst cases, they destroy all your data and make your computer unusable.*

Backup Job Run As



When running a job, login using this account

Run as logged in user:

Run the job using the Windows login credentials in effect at that time.

Run as specific user:

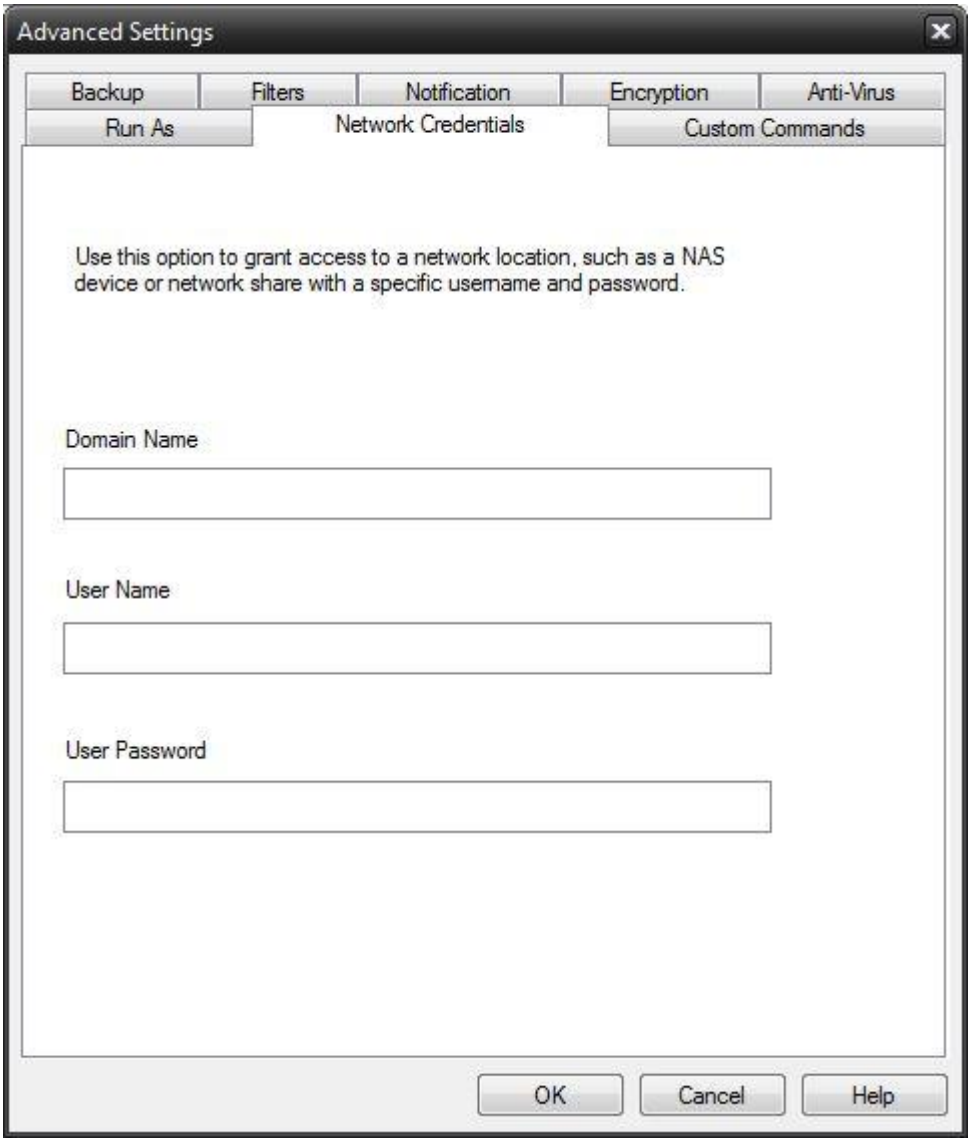
Run the job using the specified credentials.

Domain Name: The domain name you are logging into.
Run as User Name: The user name you want the job to run as.
Password: The password for the account you want the job to run as.

Note: The account information entered here is usually account you use to login to windows. However, you may need to use a different account when backing up network/shared drives.

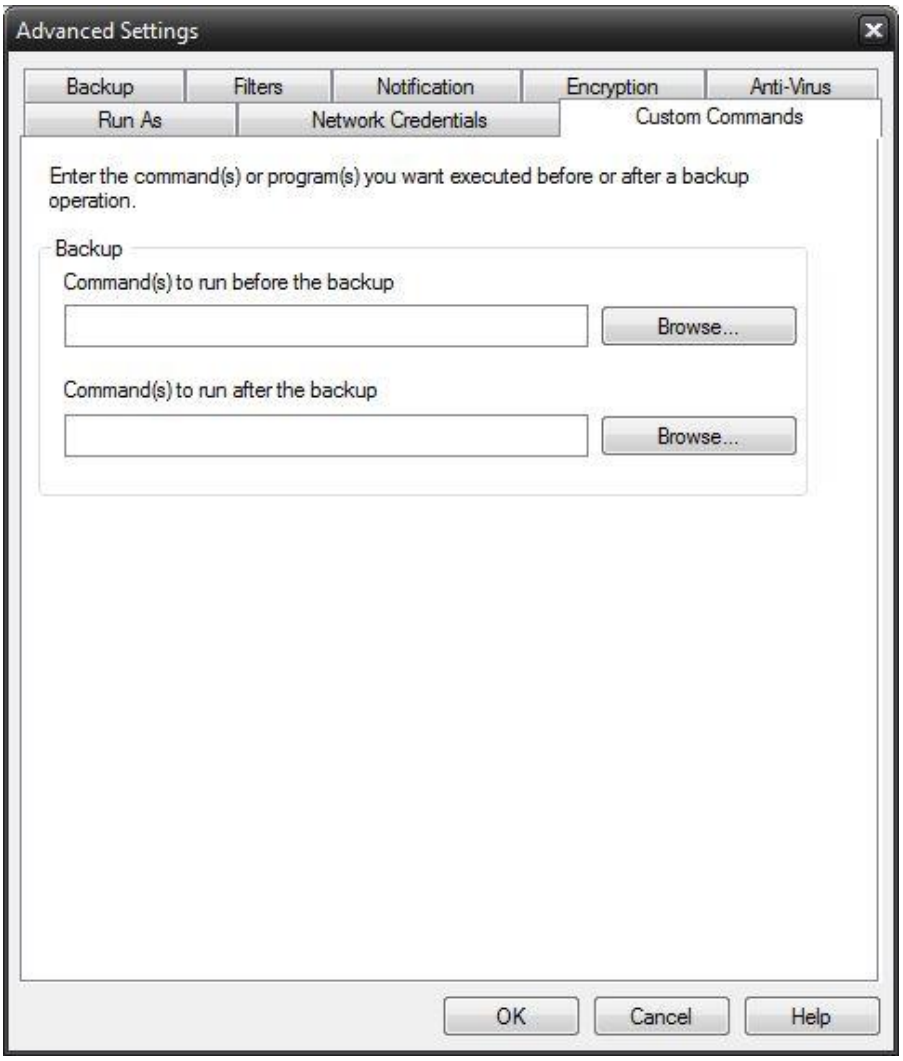
Important: If you have entered credentials you must click the "Check Credentials" button to validate the account you have entered before proceeding forward.

Backup Job Network Credentials



This option may be used to access devices on the network which require different credentials than the defaults. You may use different credentials for this purpose than those set in the "Run As" Tab.

Backup Job Custom Commands



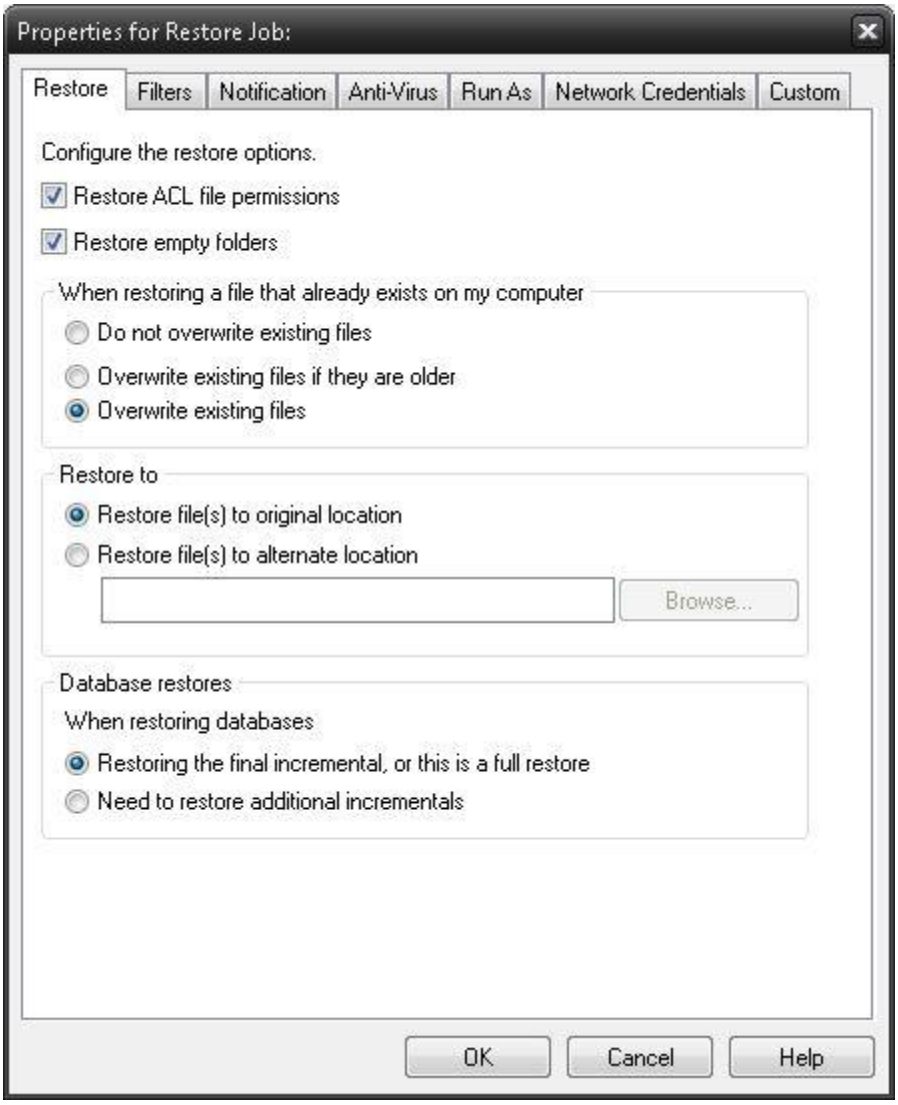
This feature enables a command to run before or after a backup job

To select which program or command you would like to run before or after the copy operation, simply browse to the program or command using the "Browse" button.

The benefits of this feature are numerous. For instance, one would be able to stop Antivirus scanning by issuing a command to their Anti-virus program prior to Steelgate beginning the backup job. Alternatively, a command can be issued at the end of the job to begin an anti-virus scan. Also one could issue a command to close a database at the beginning of a job and reopen it at the end of a job.

Restore Job Settings

Restore Job Options



Restore ACL File Permissions

Select this option to restore security permissions on files and subdirectories. Note that the backup ACL's option must have been selected during the original backup for them to be restored.

Restore empty folders

Select this option to restore empty folders.

Existing Files Options

The recommended setting is to not overwrite a file if it already exists on your computer. Other choices include only overwriting the file if the existing file is older or always overwriting the file.

Do not overwrite existing files

Upon restoration, files that already exist on your computer will not be overwritten by files from the backup

Overwrite existing files if they are older

Upon restoration, if a file is found to exist on your computer already, it will only be overwritten if the file on your computer is older than the one found in the backup.

Overwrite existing files

Upon restoration, if a file is found to already exist on your computer, it will always be overwritten.

Restore File Placement

The default setting is to restore the file(s) to the original location they were backed up from.

Restore file to its original location

Upon restoration, all files will be restored to their original location.

Restore file(s) to an alternate location

Upon restoration, all files will be restored to an alternate location. This location can be specified by typing the path to the restoration directory in the text box or by selecting a directory by clicking on the "Browse" button that will appear to the left of the text box when the radio button is selected.

Database Restores

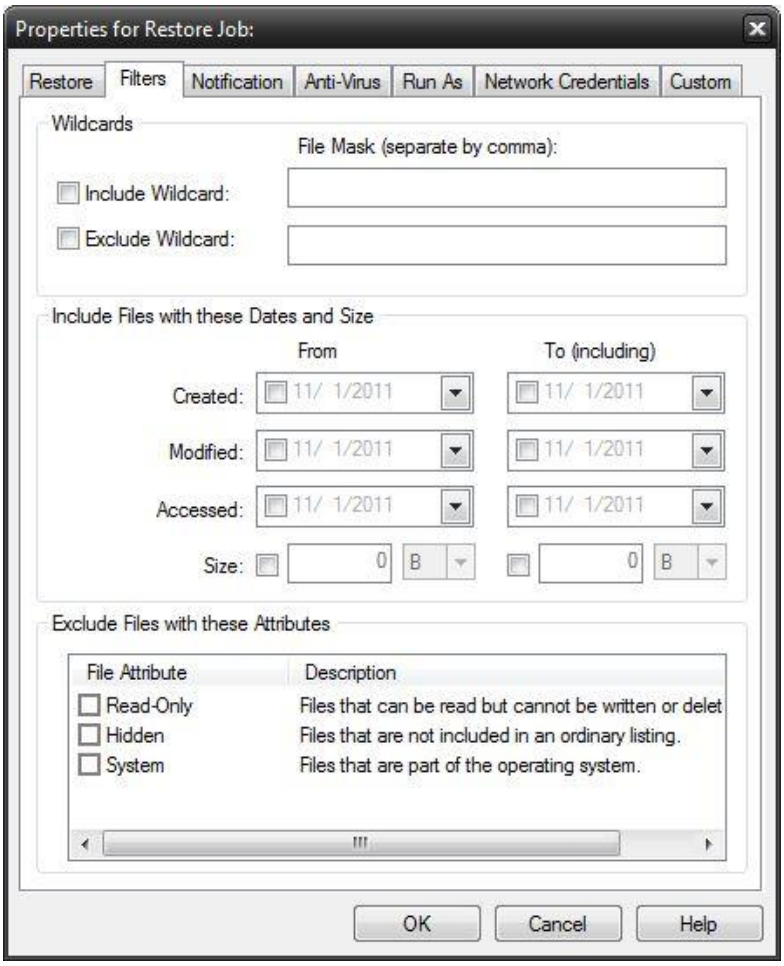
Restore the final incremental, or this is a full restore

When restoring the Steelgate database always perform a full restore

Restore file to its original location

When restoring the Steelgate database, always assume an incremental restore

Restore Job Filters



Wildcards

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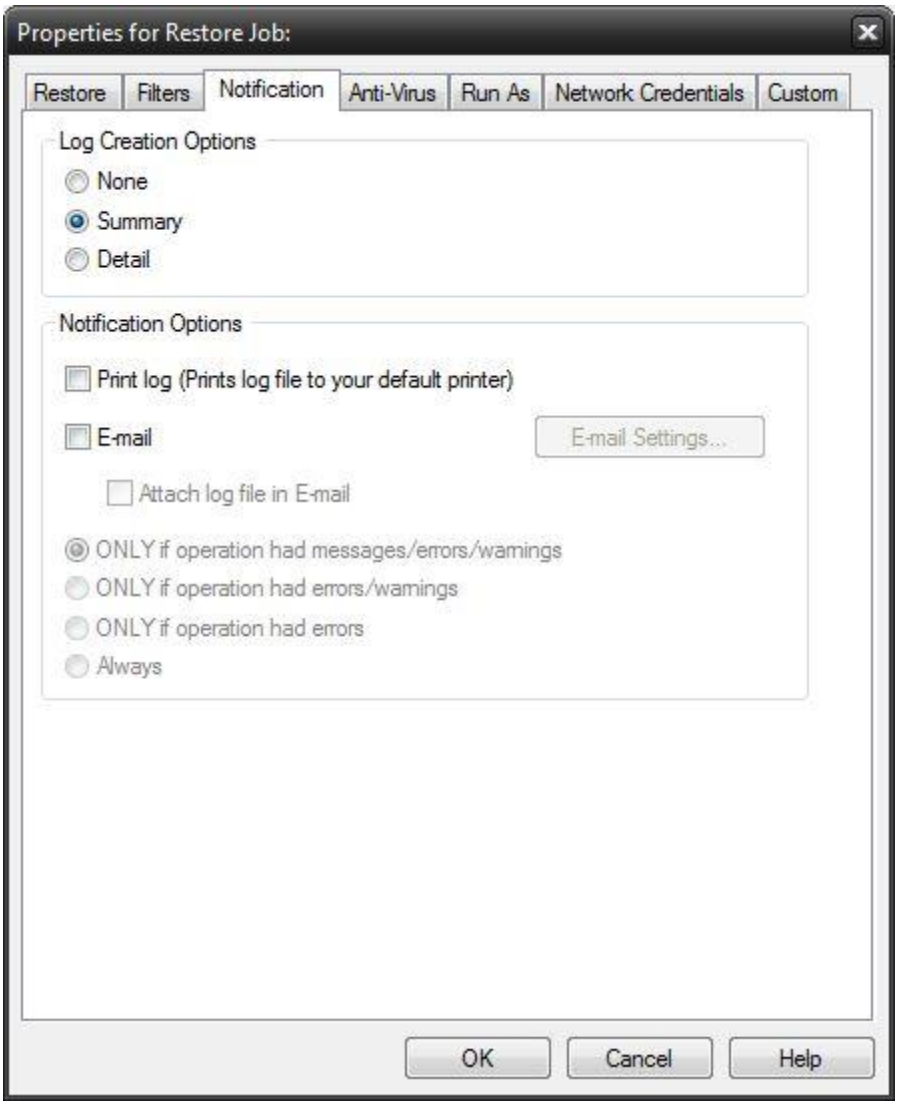
Include Files with these Dates and Size

Under this section, you can create an include filter by selecting dates that files were last created, modified, or accessed or by there file size that you wish to ensure are included in your backup. This is helpful if you want to reduce the time or file size of a backup. You may want to exclude older files that are no longer accessed or larger files you have already backed up..

Exclude Files with these Attributes

Under this section, you can create an exclude filter based on the file attributes: "Read Only", "Hidden" and "System". For example, if you would to exclude System or Hidden files, check the appropate box next to the attribute.

Restore Job Notification



Log Creation Options

None

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Summary

This choice will result in a brief log file for the backup or restore. This includes file totals and times.

Detail

This choice allows Steelgate to provide a detailed backup or restore log for the operation. It will include information of each file that is backed up or restored during the process.

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E-mail

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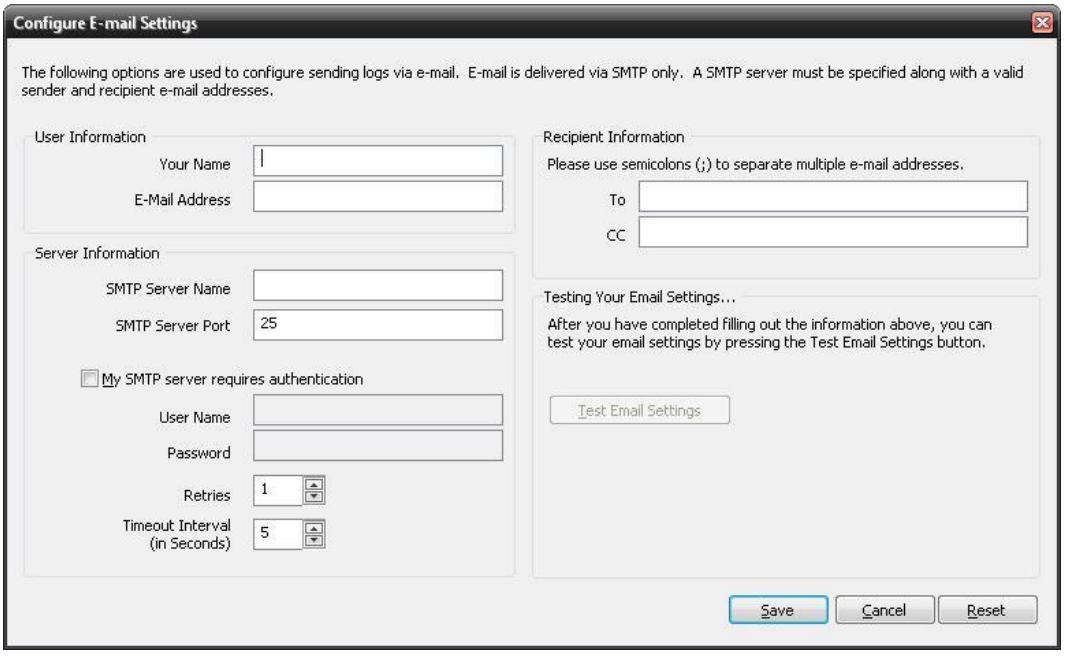
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User Information
Your Name
E-Mail Address
Server Information
SMTP Server Name
SMTP Server Port
25
My SMTP server requires authentication
User Name
Password
Retries
1
Timeout Interval (in Seconds)
5
Recipient Information
Please use semicolons (;) to separate multiple e-mail addresses.
To
CC
Testing Your Email Settings...
After you have completed filling out the information above, you can test your email settings by pressing the Test Email Settings button.
Test Email Settings
Save
Cancel
Reset

Be sure to test your settings by clicking the "Test Email settings" button

Print Log

Here, you have the option to print the log automatically to your default printer.

Notification Conditions

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- ONLY if operation had errors/warnings
- ONLY if operation had errors
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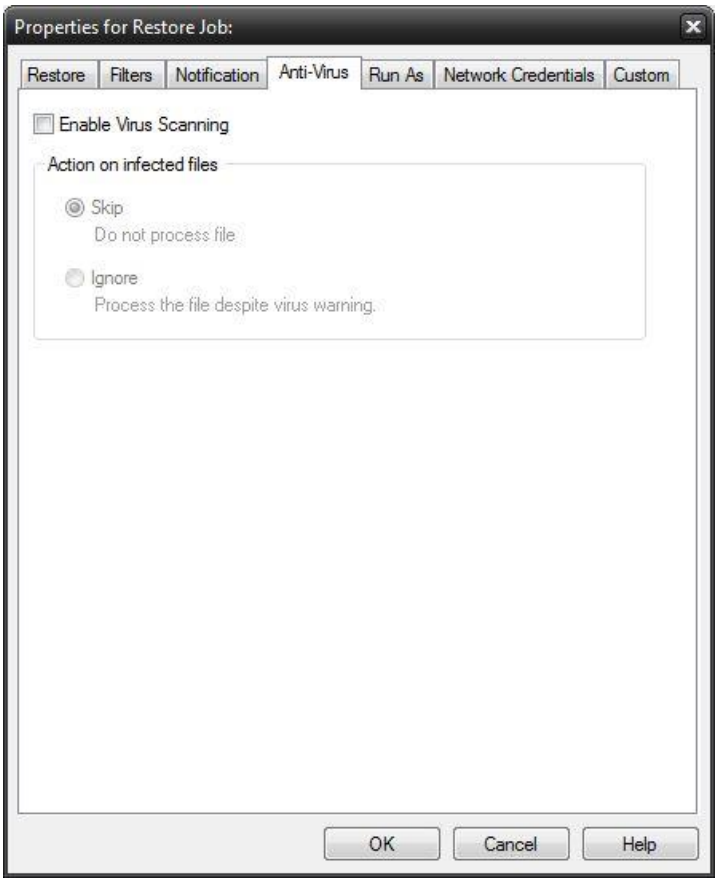
Restore Job Anti-Virus



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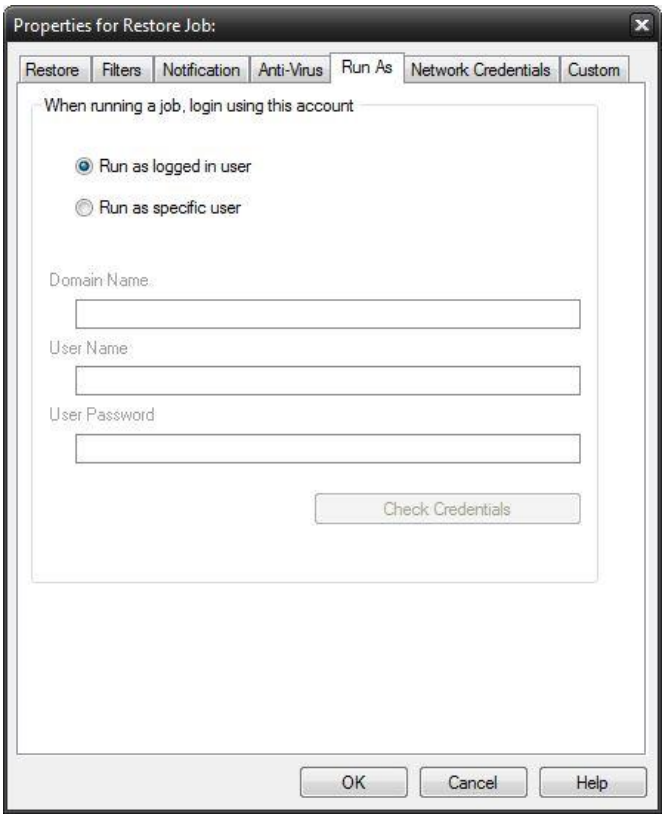
Restore Job Run As



When running a job, login using this account

Run as logged in user:

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Run as specific user:

Run the job using the specified credentials.

Domain Name: The domain name you are logging into.

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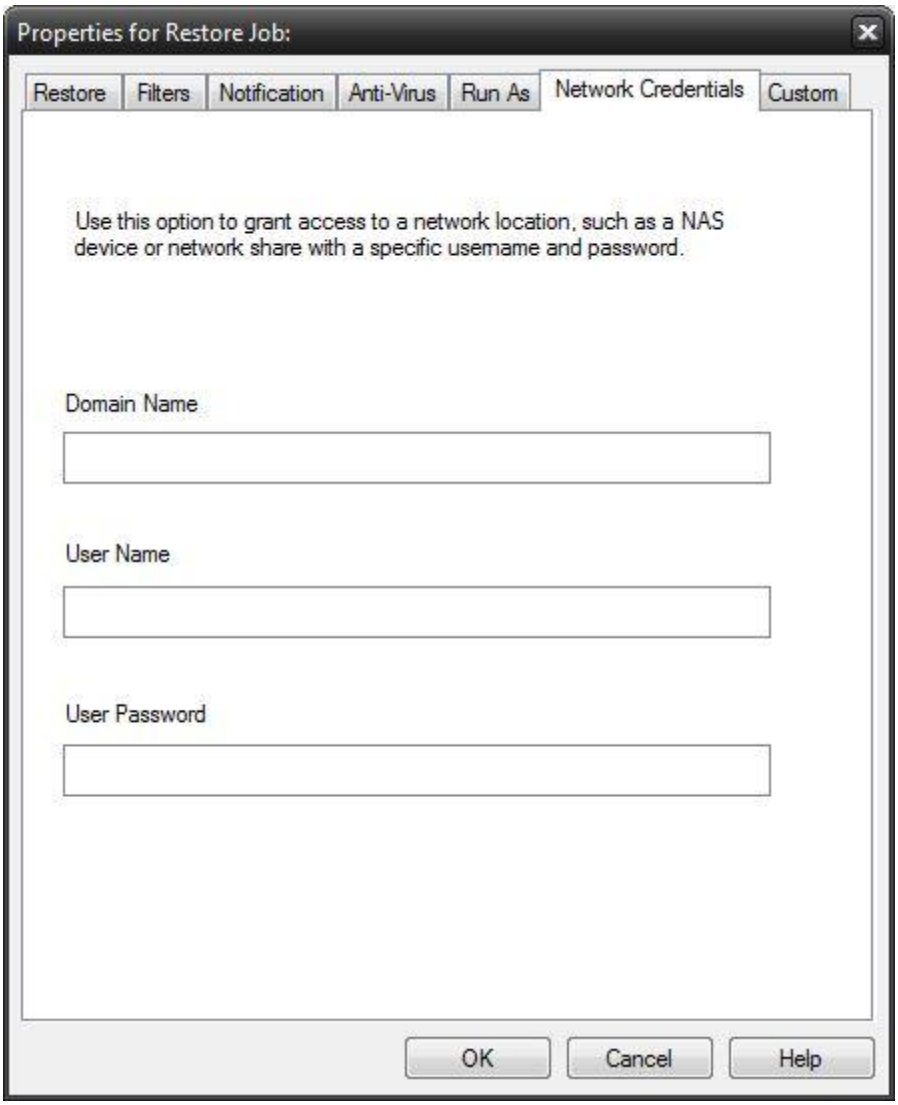
Restore Job Network Credentials



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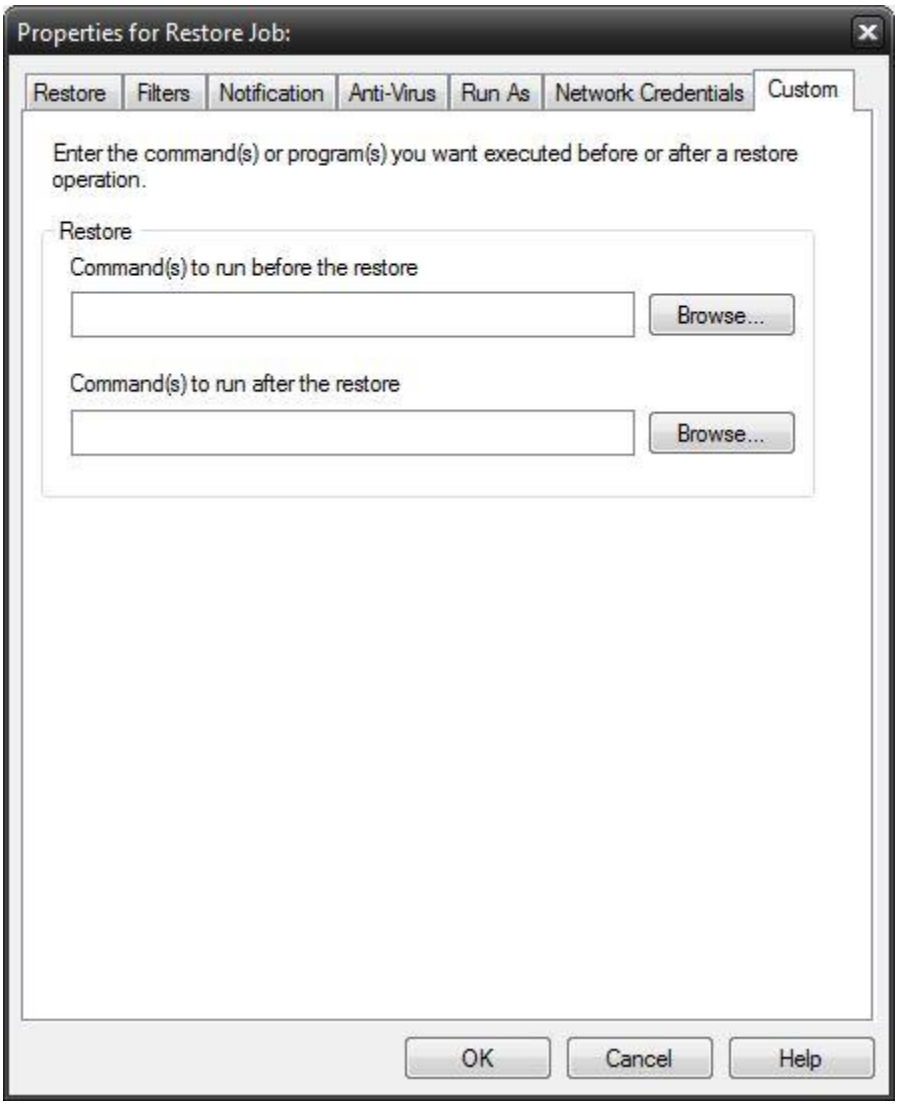


This feature enables a command to run before or after a restore job.

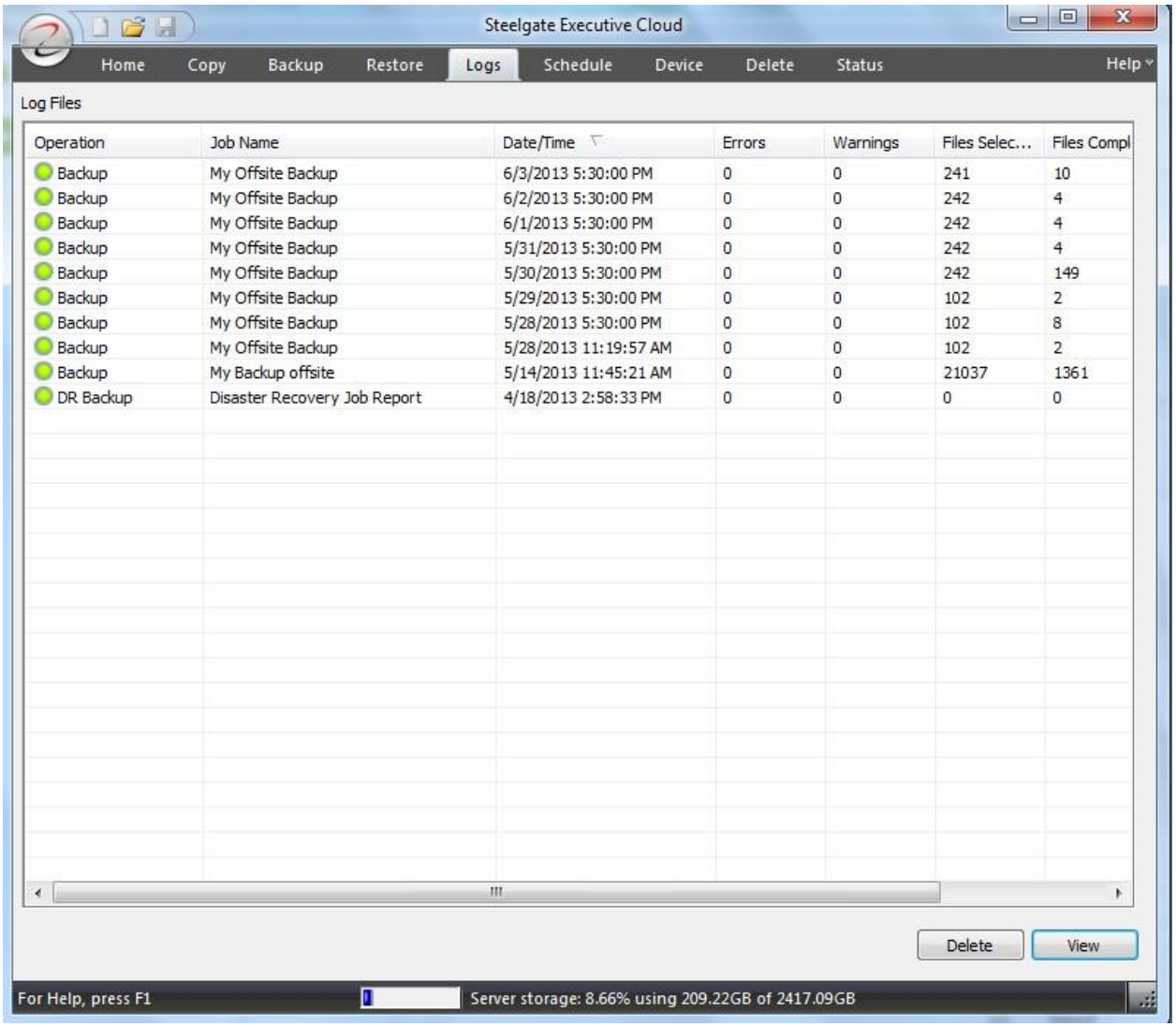
To select which program or command you would like to run before or after the copy operation, simply browse to the program or command using the "Browse" button.

The benefits of this feature are numerous. For instance, one would be able to stop Antivirus scanning by issuing a command to their Anti-virus program prior to Steelgate beginning the restore job. Alternatively, a command can be issued at the end of the job to begin an anti-virus scan. Also one could issue a command to close a database at the beginning of a job and reopen it at the end of a job.

Using Logs

Logs Tab

From here, you can quickly determine the status of a Copy, Backup or Restore job that was performed.


Steelgate Executive Cloud
Home
Copy
Backup
Restore
Logs
Schedule
Device
Delete
Status
Help
Log Files
Operation
Job Name
Date/Time
Errors
Warnings
Files Selec...
Files Compl
Backup My Offsite Backup 6/3/2013 5:30:00 PM 0 0 241 10
Backup My Offsite Backup 6/2/2013 5:30:00 PM 0 0 242 4
Backup My Offsite Backup 6/1/2013 5:30:00 PM 0 0 242 4
Backup My Offsite Backup 5/31/2013 5:30:00 PM 0 0 242 4
Backup My Offsite Backup 5/30/2013 5:30:00 PM 0 0 242 149
Backup My Offsite Backup 5/29/2013 5:30:00 PM 0 0 102 2
Backup My Offsite Backup 5/28/2013 5:30:00 PM 0 0 102 8
Backup My Offsite Backup 5/28/2013 11:19:57 AM 0 0 102 2
Backup My Backup offsite 5/14/2013 11:45:21 AM 0 0 21037 1361
DR Backup Disaster Recovery Job Report 4/18/2013 2:58:33 PM 0 0 0 0
Delete
View
For Help, press F1
Server storage: 8.66% using 209.22GB of 2417.09GB

The columns in the summary view include:

Operation: Includes - Copy, Backup, Restore & Import.

You can quickly determine the status of the backup by the color-coded icon next to each operation:

- Operation completed successfully
- Operation completed, but had warnings
- Operation had errors

Job Name: The name of the job for this log file

Date/Time: The Date & Time the specific job was run

Errors: The number of errors encountered after running the job

Warnings: The number of warnings encountered after running the job

Objects Selected: The number of objects selected before running the job

Objects Completed: The number of objects successfully completed after running the job

Size Completed: The total size of all objects successfully completed after running the job

You can quickly sort the logs view by clicking on the appropriate column heading at the top of the window

Button Functions

Delete Button

To delete a log file, simply select the log file and press the *Delete* button. To delete multiple log files, you may select more than one by using the Shift and/or Ctrl buttons on your keyboard to select the logs and pressing the Delete button.

View Button

To view the log file, select the log you would like to open and press the View button. Alternatively, you may also simply double-click the log file you want to view.

Setting the Logging Options

Setting your logging preferences can be done from the Program Options window, the Backup Options window, or the Restore Options window. (To do so, either select Global Settings from the Home view, select the "Settings" button on the Backup tab, or select the "Settings" button on the Restore tab.)

Interpreting the Logs

Interpreting the log is not as daunting as it may seem. Below you will find an example log with explanations in **bold.**

```
Log: ------------------------------------------------
Steelgate Service
Log: 1.0
```

***The first couple of lines indicates "Steelgate Backup Service" as well as the version of Steelgate that you are running.**

```
Start time: Fri Dec 09 08:27:39 2004...
```

***This shows the time that the backup began.**

```
Log name: logs\3ebbc8ef.txt
```

***This line shows the file name of the log.**

```
SysInfo: Microsoft Windows XP, ver 5.01.2600 [Professional] [I386]
ServicePack 1
```

***This shows what Operating System and version you are running on your computer.**

```
Backup: Start
Output Device: 'disc://C:\2004_012_09_08_27AM.nb7'
```

***These two lines indicate that the backup has started and shows the destination of the backup.**

```
Backup: Reading input file: 3ebbd572.xml
Backup: Scan starting: C:\My Documents
Backup: C:\My Documents\Addresses.txt
Backup: C:\My Documents\arrow_il.cur
Backup: C:\My Documents\arrow_im.cur
Backup: C:\My Documents\arrow_l.cur
Backup: C:\My Documents\Notes.txt
Backup: C:\My Documents\Backup.nb7
Backup: C:\My Documents\My System.nb7
```

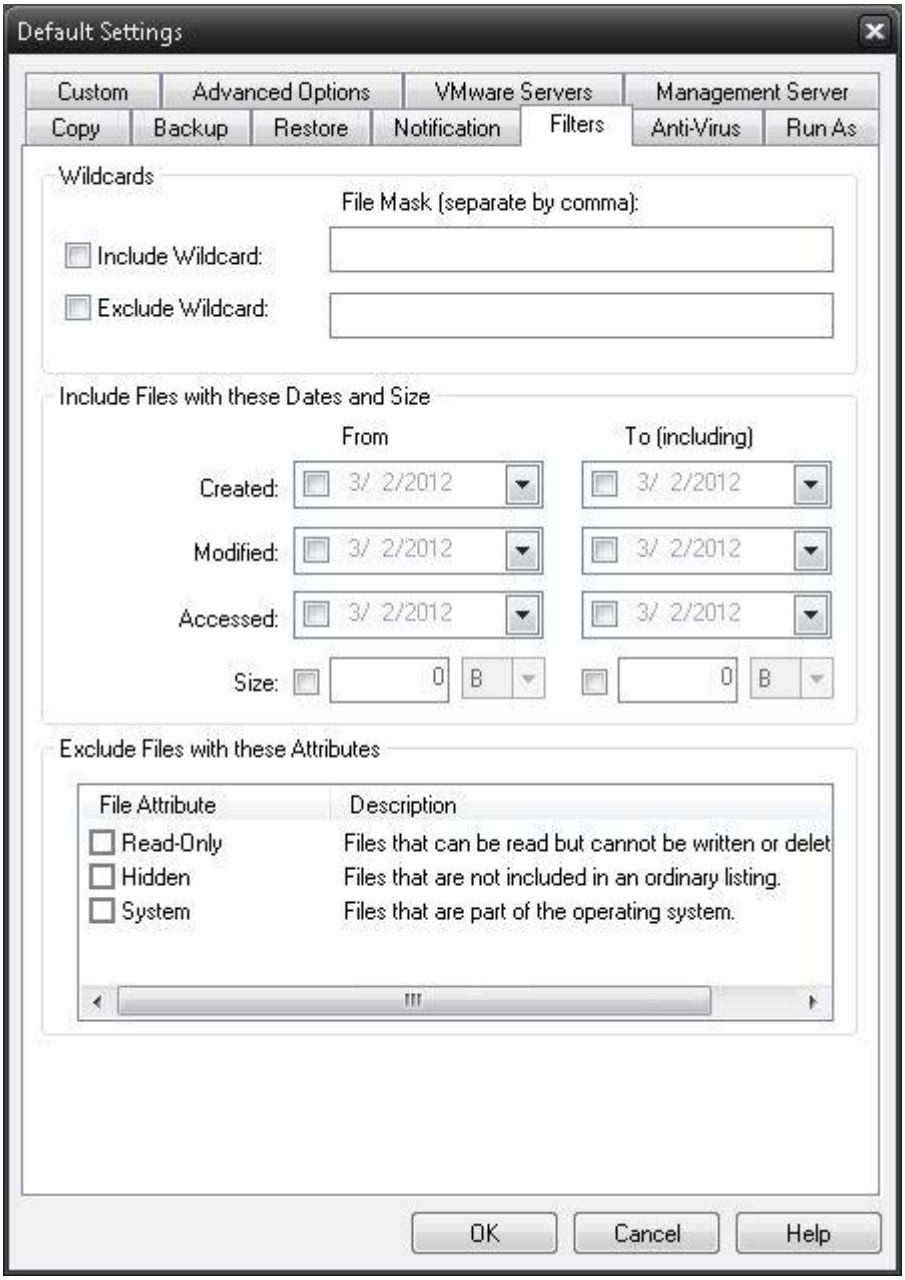
***At this point there is a listing of the files processed during the backup. NOTE: This section is only visible if you have your logs set to "Detail" mode.**

```
Backup: End
```

***This indicates that the backup has completed.**

Using Filters

Filters Tab



Wildcards

Include Wildcard: Enter all wildcards for files you want to include in the default job separated by a comma (example: *.doc,*.xls,*.dat)

Exclude Wildcard: Enter all wildcards for files you want to include in the default job separated by a comma (example: *.doc,*.xls,*.dat)

Include Files with these Dates and Size

Under this section, you can create an include filter by selecting dates that files were last created, modified, or accessed or by there file size that you wish to ensure are included in your backup. This is helpful if you want to reduce the time or file size of a backup. You may want to exclude older files that are no longer accessed or larger files you have already backed up..

Exclude Files with these Attributes

Under this section, you can create an exclude filter based on the file attributes: "Read Only", "Hidden" and "System". For example, if you would to exclude System or Hidden files, check the appropate box next to the attribute.

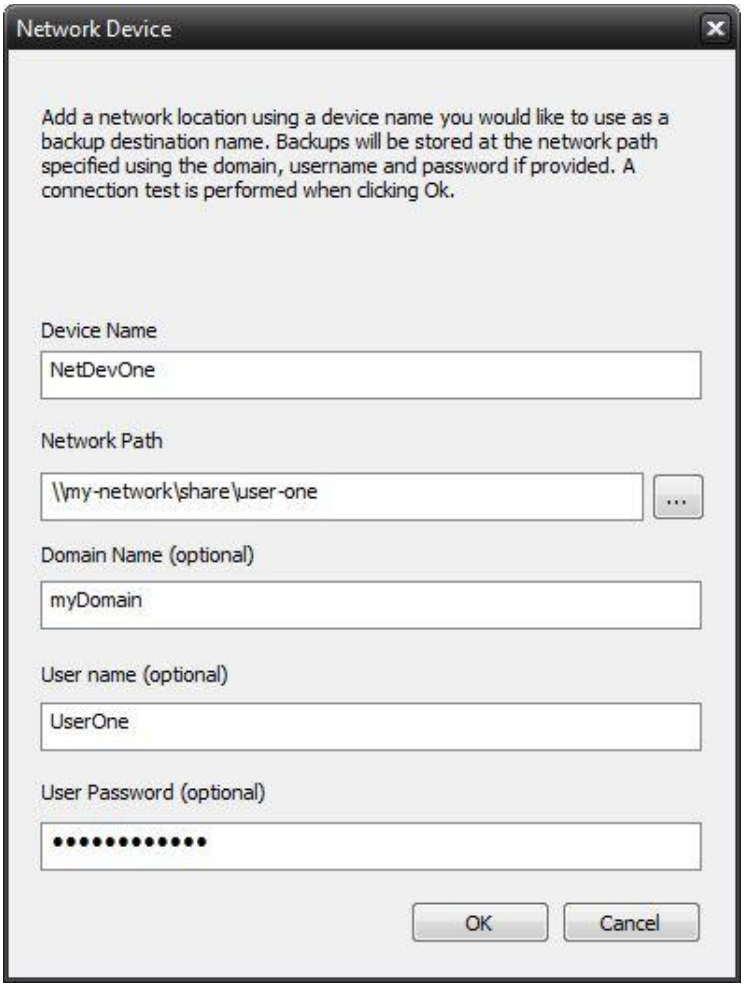
Using the Network Storage Device

Network Device Overview

A network device may be used in cases where the user wishes to refer to a network location and related permissions as a named device for convenient reference like any other backup device. For example you may wish to store backups to \\my-network\share\user-one along with its required username amd password credentials, but would like to refer to this using one simple name, such as "NetUserOne". Network devices provide this convenience and allow several different named devices to exist as may be desired for any configuration.

Network devices may be created by clicking on "Add Network Device" in the home tab view, or by clicking the "Add" button in the device tab view.

Network Device Settings


Network Device
Add a network location using a device name you would like to use as a backup destination name. Backups will be stored at the network path specified using the domain, username and password if provided. A connection test is performed when clicking Ok.
Device Name
NetDevOne
Network Path
\\my-network\share\user-one
...
Domain Name (optional)
myDomain
User name (optional)
UserOne
User Password (optional)
••••••••••••
OK
Cancel

This screen is displayed when adding a network device, or when right clicking on the device listed in the device tab to view the its properties. The following values may be entered, some of which are optional as noted.

Device name

This name entered here is used to identify the device. This name will appear when devices are listed to reference this device throughout the application.

Network Path

This is the path where backups are to be stored using this device.

Domain Name

This optional parameter is used to specify the domain for the network path. When no value entered the current domain, if any, will be in effect.

User Name

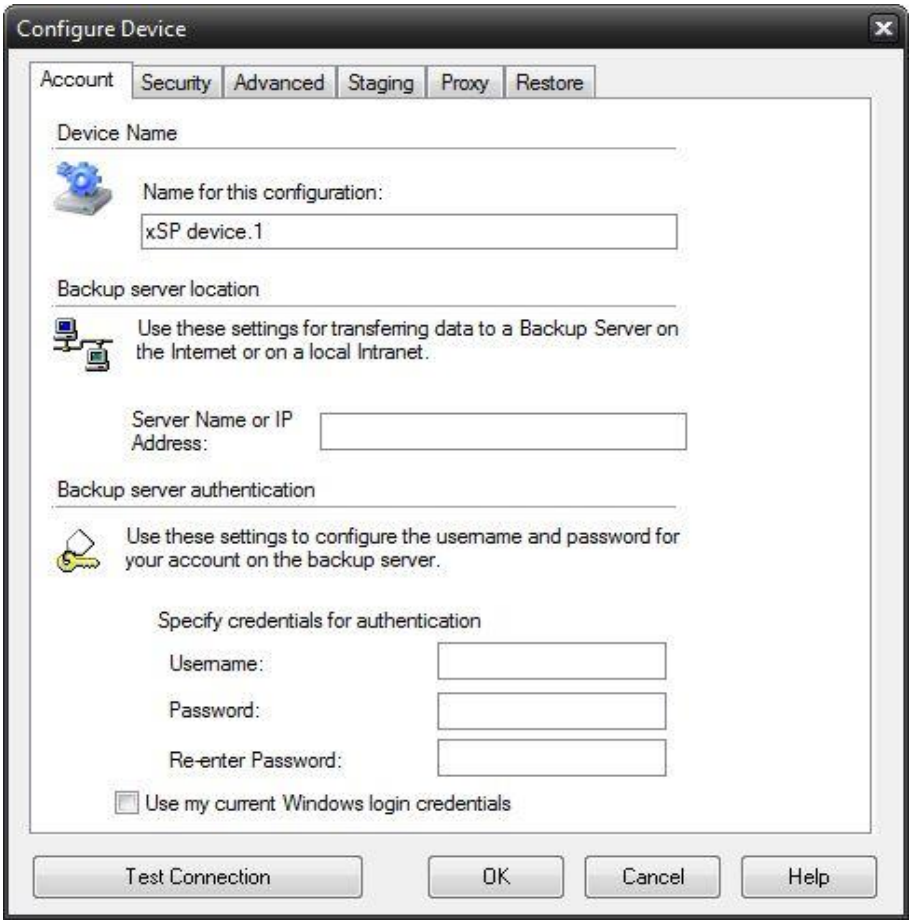
This optional parameter is used to specify the user who has permission to access the network path.

User Password

This optional parameter is used to specify the user's password who has permission to access the network path.

Settings

xSP Account Settings



Device Name

• Name for this configuration

This field is used to specify any name you wish to identify the device.

Backup server location

• Server Name (this will be given to you when your account gets created and sent to you via email)

Backup server authentication

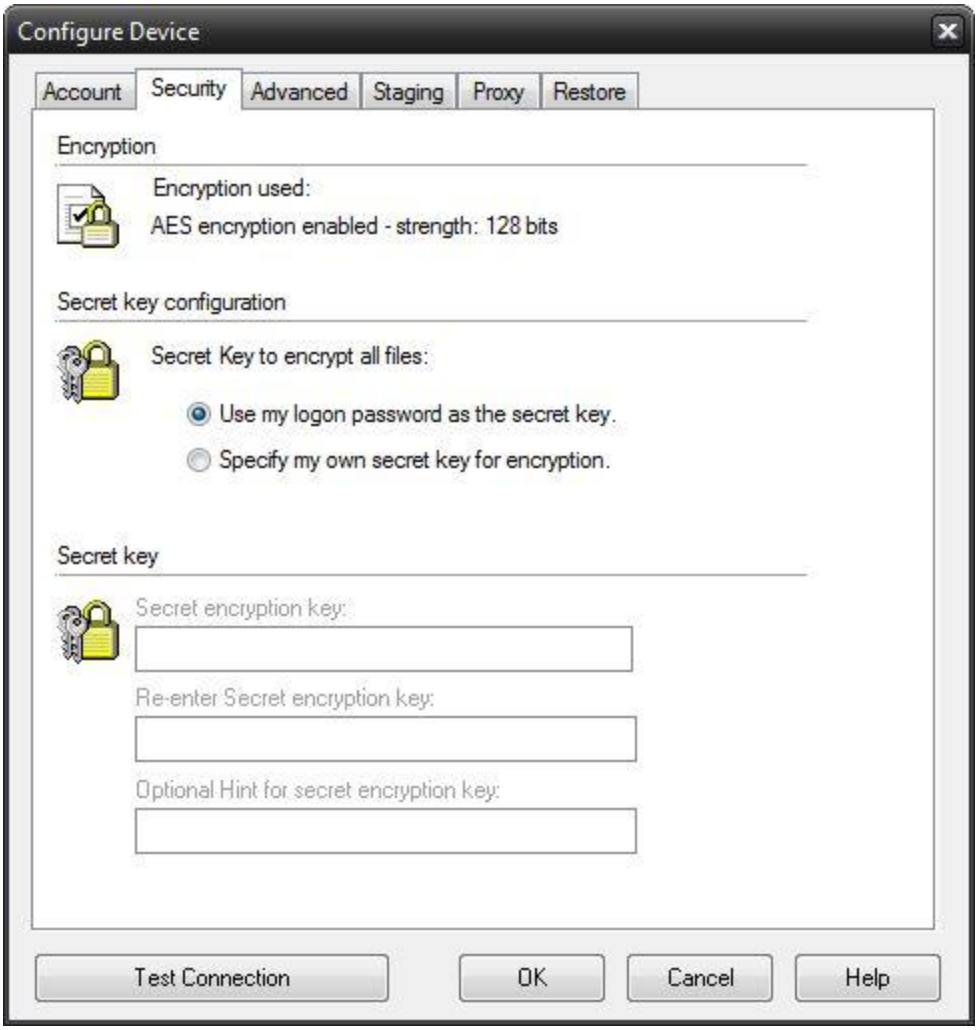
To enter specific credentials:

• Username: Enter in the unique username you have created during sign up

• Password: This is your logon password

• Re-Enter Password: Re-enter your password to confirm

xSP Security Settings



Encryption

• Encryption used

Indicates the encrytpion type in effect.

Secret Key Configuration

• Use my logon password to encrypt my files

This option will cause the backup server logon password to be used to encrypt all files.

• Set a special secret key to encrypt my files

This option will allow a private secret key of your choosing to be specified for file encryption.

Note: If the secret key is forgotten or lost, the backup server administrator may not be able to recover the data residing on the server.

Secret Key

The secret key is a special text string used to encrypt all data that is stored on the server. The secret key can be changed at any time in between backups or restores. If the secret key is forgotten or lost, the backup server administrator may not be able to recover the data on the server.

• Secret encryption key

This field is the secret key. The text can be any length and is case-sensitive. The secret key should be written down and kept it in a safe place so that it is not forgotten.

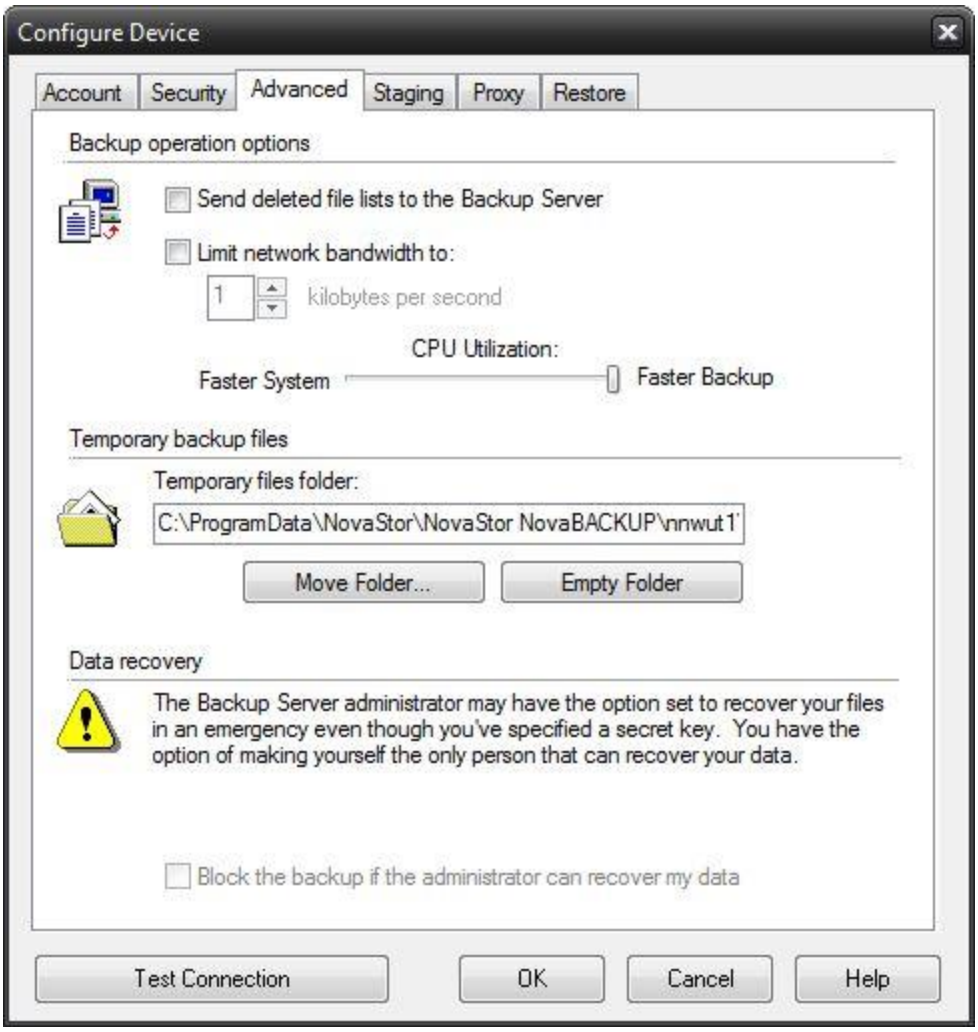
• Secret encryption key verification

This field is where the secret key should be re-typed. It is used for verification only.

• Optional hint for secret encryption key

This field is where a text phrase can be entered to allow the secret key to be remembered. If it is necessary to restore files to a fresh system and the secret key is forgotten or lost, the text phrase will be displayed so that the secret key can be recalled more easily. This field is optional. If security is a concern because somebody may be able to use the hint to guess the secret key, this field should probably be left empty.

xSP Advanced Settings



Backup operation options

• Send deleted file lists to the Backup Server

Selecting this option will allow the backup server to be notified when files are deleted or removed from the selection list. Eventually, the files will also be deleted from the backup server. This occurs after the deletion date has gone out of the scope of the allowable restore window on the backup server. The allowable restore window is configured by the backup server administrator.

• Limit network bandwidth to:

This setting can be used to reduce the amount of data sent over the network in case other processes need greater access or speed.

• CPU Utilization

This setting can be used to adjust how much CPU usage may be desired for the backup process. It may be preferable to reduce CPU usage for backup so other processes on the system can run faster.

Temporary backup files

• Temporary files folder

This option can be used to specify where the backup "work files" should be saved. These files contain important information pertaining to backups. At any point in time, the contents of this folder can be moved to a different location or the folder can be emptied. Emptying the folder will remove all the files in the disk cache.

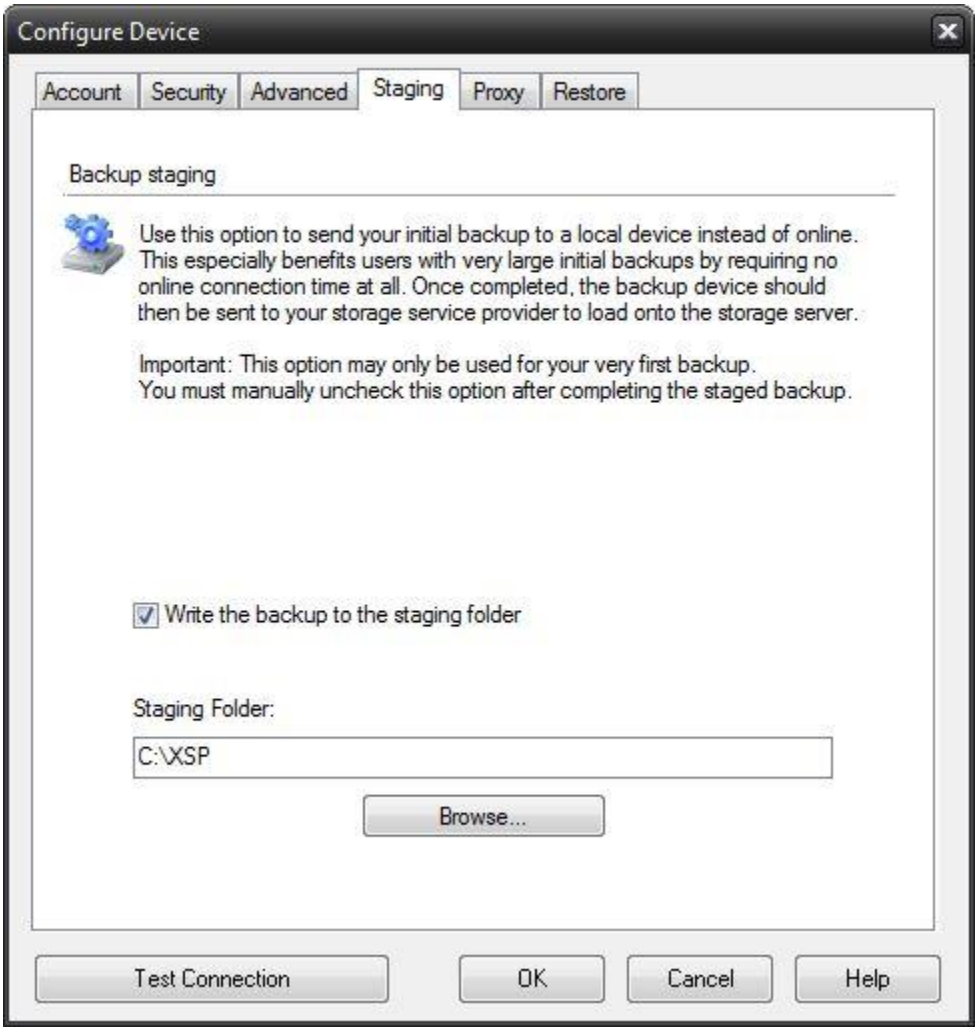
Data recovery

• Block the backup if the administrator can recover my data

In certain situations, such as a corporate environment, it may be a requirement for the corporation to have access to all the corporation’s data. The backup server administrator may set an option to allow the recovery of data without requiring the secret key.

This option should be selected to guarantee that absolutely no one else is able to recover the data for this account. IF THIS OPTION IS SET AND THE SECRET KEY IS LOST OR FORGOTTEN, THE DATA CANNOT BE RECOVERED

xSP Staging Settings


Configure Device
Account
Security
Advanced
Staging
Proxy
Restore
Backup staging
Use this option to send your initial backup to a local device instead of online. This especially benefits users with very large initial backups by requiring no online connection time at all. Once completed, the backup device should then be sent to your storage service provider to load onto the storage server.
Important: This option may only be used for your very first backup. You must manually uncheck this option after completing the staged backup.
Write the backup to the staging folder
Staging Folder:
C:\XSP
Browse...
Test Connection
OK
Cancel
Help

Use this option to send your initial backup to a local device instead of online.

This especially benefits users with very large initial backups by requiring no online connection time at all. Once completed, the backup device should then be sent to your storage service provider to load onto the storage server.

Important: This option may only be used for your very first backup. You must manually uncheck this option after completing the staged backup.

xSP Proxy Settings

Use this option to connect to your backup server through a proxy server connection.

xSP Restore Settings

Configure Device
Account
Security
Advanced
Staging
Proxy
Restore
Local Restore
Use this option to restore files directly from copied server storage without the need to use an online connection. For example if your server storage exists as C:\UserData\UserOne, you can copy the UserOne folder to your computer and restore files from that storage location.
Note: If a password is specified in the account tab, the restore process will test that as your secret key with the option to specify another if needed.
Restore from local server storage
Storage Folder:
Browse...
Test Connection
OK
Cancel
Help

Use local restore if you wish to restore from server storage that has been copied to your computer rather than connecting to the backup server online.

Restore from local storage

This must be checked to enable local restore mode.

Storage Folder

Enter the path where you have copied the server storage or use the browse button to locate that path for you.

xSP FastBIT Settings

Configure Device
Account
Security
Advanced
Staging
Proxy
Restore
FastBIT
FastBIT
FastBIT is NovaStor's technology for sending only changed parts of a file to the backup server instead of re-sending the entire file. This reduces the amount of information that needs to be sent to, and saved on, the server. FastBIT3 was introduced with NovaBACKUP 12.1. It offers faster performance and greatly reduces the amount of temporary disk space needed on your computer. You can upgrade to FastBIT3 by clicking "Upgrade Now" button. You will be asked to confirm your decision.
Upgrade Now
Test Connection
OK
Cancel
Help

This option is provided so that you can easily upgrade to the latest FastBIT implementation. This tab will only appear if you are not already using FastBIT3.

System State Backup and Restore

File Selection, System State & Registry

Overview

Security Information Backups

Depending on your system configuration, you can have special security configurations for files, drives and/or subdirectories. Steelgate has full support for this information. This data is backed up each time you backup your registry. Please note that this information will ONLY be restored if you restore your registry, it is not stored on a file-by-file basis due to potential security issues.

Details on Backing Up System State Data

System state data is comprised of the following files:

- Boot files, including the system files, and all files protected by Windows File Protection (WFP).
- Active Directory (on a domain controller only).
- Sysvol (on a domain controller only).
- Certificate Services (on certification authority only).
- Cluster database (on a cluster node only).
- The registry.
- Performance counter configuration information.
- Component Services Class registration database.

The system state data can be backed up in any order. Restoration of the system state replaces boot files first and commits the system hive of the registry as a final step in the process.

System state backup and restore operations include all system state data: you cannot choose to backup or restore individual components due to dependencies among the system state components. However, you can restore system state data to an alternate location in which only the registry files, Sysvol directory files, and system boot files are restored. The Active Directory database, Certificate Services database, and Component Services Class Registration database are not restored to the alternate location.

You cannot change which components of the system state are backed up.

NOTE: *If you have more than one domain controller in your organization and Active Directory is replicated to any of these other servers, you might have to authoritatively restore any Active Directory data that you want to restore.*

For more information about authoritative restores, see the Microsoft® Windows® 2000/2003 Server Resource Kit Distributed Systems Guide.

Keep the following in mind when you are backing up system state data:

1. *You must be an administrator or a backup operator to back up files and folders.*
2. *You can only back up the system state data on a local computer. You cannot back up the system state data on a remote computer.*

To select files to be backed up from other PCs on a peer to peer network, once you click on Backup, in the left window click the plus sign next to My Network Places. Then click on Entire Network, and click on Microsoft Windows Network. There, you should find the other PCs.

To backup to a network device, it is recommended that you select the UNC path and not the mapped drive letter. Example \\server\path and not use a drive mapping (S:\path)

Registry & System State Backup

In Windows® 2000, Windows® 2003, Windows® XP and Windows® Vista, you have the option to backup the System State with a backup. The System State will be seen as an item in the selection window while you are selecting other files and folders from the Backup Tab. All you need to do to backup the System State is to tag the checkbox next to it prior to running the backup.

What is the System State? *The System State is a combination of a few things:*

- *Boot files, including the system files, and all files protected by Windows File Protection (WFP).*
- *Active Directory (on a domain controller only).*
- *Sysvol (on a domain controller only).*
- *Certificate Services (on certification authority only).*
- *Cluster database (on a cluster node only).*
- *The registry.*
- *Performance counter configuration information.*
- *Component Services Class registration database.*

These are the items seen in the right selection window when System State is selected.

Does Steelgate support backing up Active Directory? *Yes, in fact, Steelgate features include the ability to backup Active Directory when you are backing up the System State.*

System State backup and restore operations include all System State data. You cannot choose to back up or restore individual components because of dependencies among the System State components. However, you can restore System State data to an alternate location in which only the registry files and system boot files are restored. The Component Services class registration database is not restored to the alternate location.

Using Plug-Ins

Microsoft Exchange Plug-In

Using the Microsoft Exchange Plug-in

The Exchange server plug-in works on the following Microsoft Exchange server version: 2003, 2007.

Backup using the Exchange Plug-in

If the client is installed on one of the supported platforms listed above and you have an active Exchange plug-in, you may select your Exchange server for backup using the file selection tree or list view under the Backup Tab.

If you check the box next to the server name, all storage groups (if multiple) will be selected for backup. To select only a specific storage group, expand the Exchange Server object by clicking on the + symbol and check only the appropriate storage groups you want to backup.

Note: In order to perform a complete and accurate backup of Microsoft Exchange, you should also select the "System State" object within the same backup set. For more information, review the Backup up System State section of this help file.

Restore using the Exchange Plug-in

If the client is installed on one of the supported platforms listed above and you have an active Exchange plug-in, you may restore a previous Exchange backup using the plug-in by selecting the Exchange server using the file selection tree or list view under the Restore Tab.

Note: To restore an Exchange storage group, you must mark the database as being able to be overwritten by a restore in the properties of the exchange store you want to restore using the Exchange System Manager. You also need to dismount the store. (For more information on using the Exchange System Manager, refer to your Exchange server documentation).

This will permit you to restore the exchange storage group to the original location on the original backed up machine or on a new system with the same machine name. Also note that if you are doing a full restore of exchange you need to restore the System State BEFORE you restore the Exchange Storage Group.

Microsoft SQL Server Plug-In

Using the Microsoft SQL Plug-in

The SQL server plug-in works on the following Microsoft SQL servers: 2005 and 2008.

Backup using the SQL Plug-in

If the client is installed on one of the supported platforms listed above and you have an active SQL plug-in, you may select your SQL server for backup using the file selection tree or list view under the Backup Tab.

If you check the box next to the server name, all databases will be selected for backup. To select only a specific database, expand the SQL Server object by clicking on the + symbol and check only the appropriate databases you want to backup.

Restore using the SQL Plug-in

If the client is installed on one of the supported platforms listed above and you have an active SQL plug-in, you may restore a previous SQL backup using the plug-in by selecting the SQL server using the file selection tree or list view under the Restore Tab.

If you check the box next to the server name, all databases will be selected for restore. To select only a specific database, expand the SQL Server object by clicking on the + symbol and check only the appropriate databases you want to restore.

This will permit you to restore the SQL database(s) to their original location on the original backed up machine or on a new system with the same machine name.

VMware Plug-In

Using the VMware Plug-in

The computer with Steelgate installed needs to have connectivity to either the vSphere server or the ESX(i) server. Steelgate can alternatively be installed on the vSphere server or on a Virtual Machine. Version 4.0 and 4.1 of ESX(i) and vSphere licensed with the vStorage APIs are the currently supported versions of software with which the VMware plug-in for Steelgate can communicate.

Backup using the VMware Plug-in

Clicking on each ESX(i) or vSphere server node will display the Virtual Machines that are available to backup. These machines may be backed up individually, or all of them may be backed up at once.

You must specify the server name and user credentials for each VMware server you want to appear in the backup file selection tree. This is provided in the VMware Servers tab in the program default settings screen.

Restore using the VMware Plug-in

Restoring a Virtual Machine is quite easy. Simply select the Virtual Machine to restore in the restore screen and click the restore button.

More Information

For additional information such as techniques for differential backup and restore please download the document detailing all the VMware plug-in features.

Hyper-V Plug-In

Using the Hyper-V Plug-in

The Hyper-V plug-in supports direct backup and restore of Hyper-V virtual machines which reside on the same system as your backup client. The virtual machines can be either running or stopped when doing a backup.

Backup using the Hyper-V Plug-In

If you have an active Hyper-V plug-in, you may select your Hyper-V virtual machines for backup using the file selection tree or list view under the Backup Tab.

If you check the box next to the Hyper-V name, all virtual machines will be selected for backup. To select only a specific virtual machine, expand the Hyper-V object by clicking on the + symbol and check only the virtual machines you want to backup.

Restore using the Hyper-V Plug-in

If you have an active Hyper-V plug-in, you may restore a previous Hyper-V backup by selecting the Hyper-V name using the file selection tree or list view under the Restore Tab.

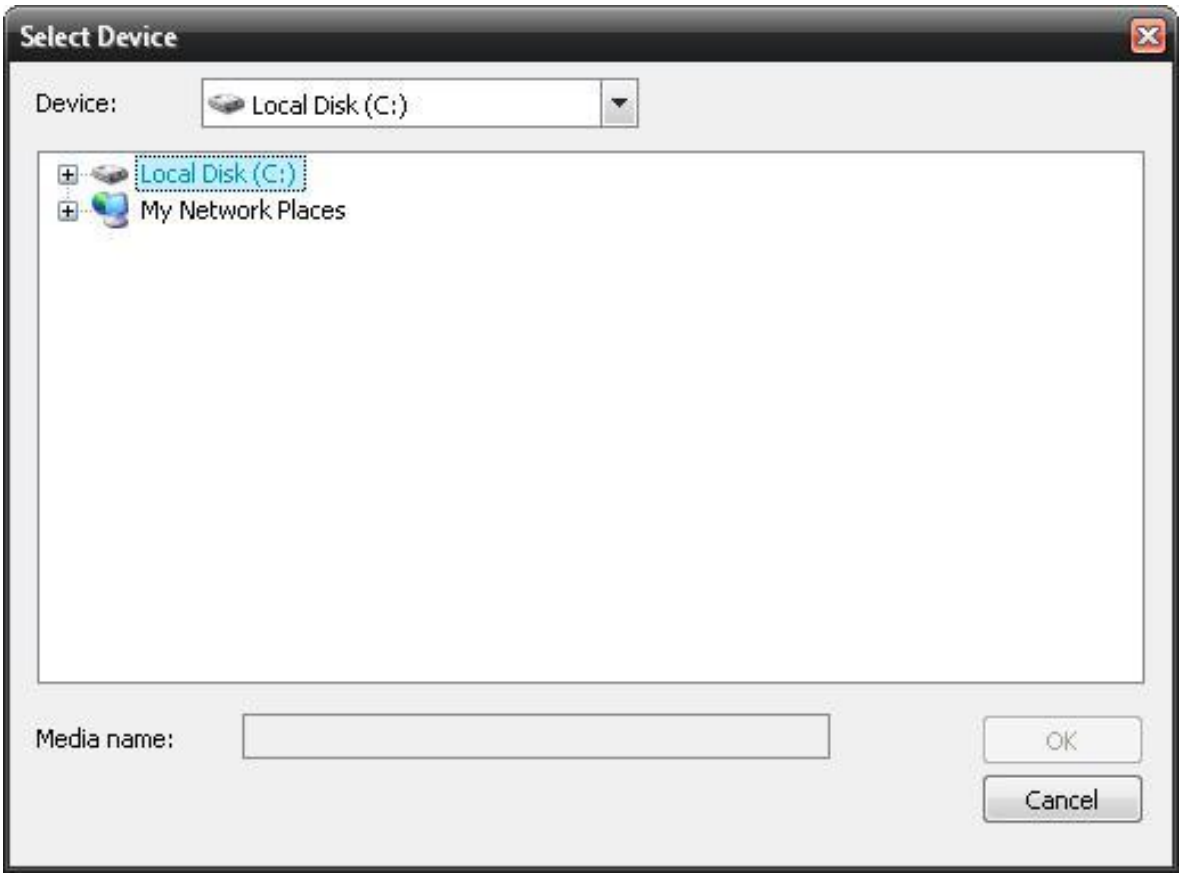
If you check the box next to the Hyper-V name, all virtual machines will be selected for restore. To select only a specific virtual machine, expand the Hyper-V object by clicking on the + symbol and check only the virtual machines you want to restore. Restoring a Hyper-V virtual machine will overwrite the current version of the Hyper-V virtual machine that is there.

Importing Backups

Importing Backups

Importing a backup from media may become necessary if your machine crashes or you wish to restore a backup created on one computer to another computer. The process is simple. To get the backup contents into the current, local Steelgate database (and therefore be able to select files, folders and drives for restoration), follow these steps: From the Restore tab, first click on the "Import" button located near the bottom of the screen. Alternatively, you can select "Import Backup Job" from the Launch Button.

If you run the import from the Restore Tab, you will receive an Import Source selection screen. (If selecting import source from the toolbar, you will forgo this window.)



You should browse to the media you would like to import and press "Open." The status tab will display and the import process will begin immediately.

If your import source is Tape, then you will be given a Tape Drive selection screen. Select the tape device you would like to import and press "OK." A progress window will then appear and the import process will begin immediately.

If you are importing from a complete set of spanned media, you should always select the first piece of media as your first import. Steelgate will then prompt you to insert each subsequent piece of media if required. It is necessary to have the complete backup, all media available to do the import and subsequent restore. For example: If your backup consists of 5 pieces of media and media #3 is corrupt/missing/ damaged, you will only be able to restore data from the first two pieces of media.

After importing the media, it may be necessary to press the "Refresh" button on the Restore tab. All imported backups will appear under an "Imported Backups" heading in the Media View.

Importing vs. Restoring
It is important to know the difference between importing and restoring. The import process does NOT restore your data to your hard drive. What it simply does is import a "listing" of available data on the imported media. This information is imported into the database and enables Steelgate to create a tree listing of the data in the Restore view. From there, you will be able to select the data you would like to restore from the media and complete a restoration just like you would any other restoration.

Scripted Environment Variables

Steelgate is able to use Windows environment variables in the script file. Though in order to use these variables you will have to manually edit the script file. User set environment variables are not available for use, just the default Windows environment variables. Below is an example of a script excerpt using these environment variables, please notice that you have to define the variables that you want to use at the bottom of the script.

Example portion of a script file:

(. . .)

[select]
path.item.0=+$Env Variable.item.0$
path.numberOfItems=1

(. . .)

[device]
SessionLogicalId=0
SessionName=My Backup
SessionId=00000000000000000000000000000000000000000
MediaLogicalId=0
MediaExtension=nbd
MediaName=My Media
MediaId=00000000000000000000000000000000000000000
DeviceUnit=\\Server\HomeDrive\$Env Variable.item.1$
DeviceName=Network
DeviceId=0900dcfe0b0000f0a98187492b78000002000000
DeviceClassId=ntwk://

(. . .)

[Environment variable]
Env Variable.item.0=%USERPROFILE%
Env Variable.item.1=%USERNAME%
Env Variable.numberOfItems=2